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FEBRUARY 9, 1918.

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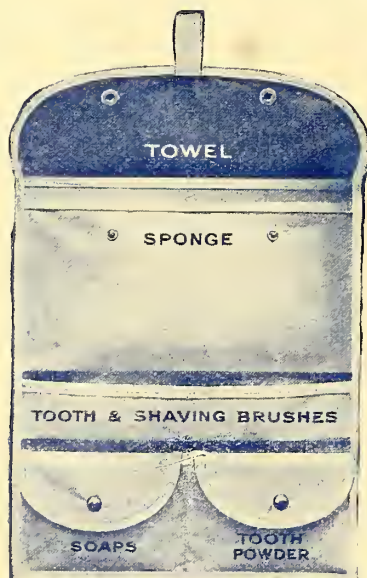
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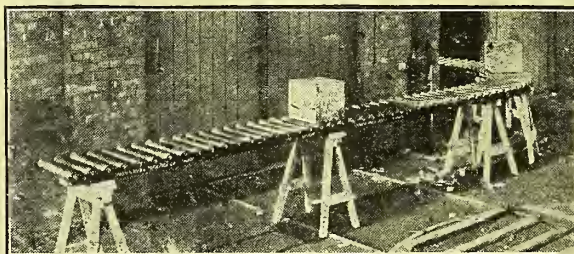
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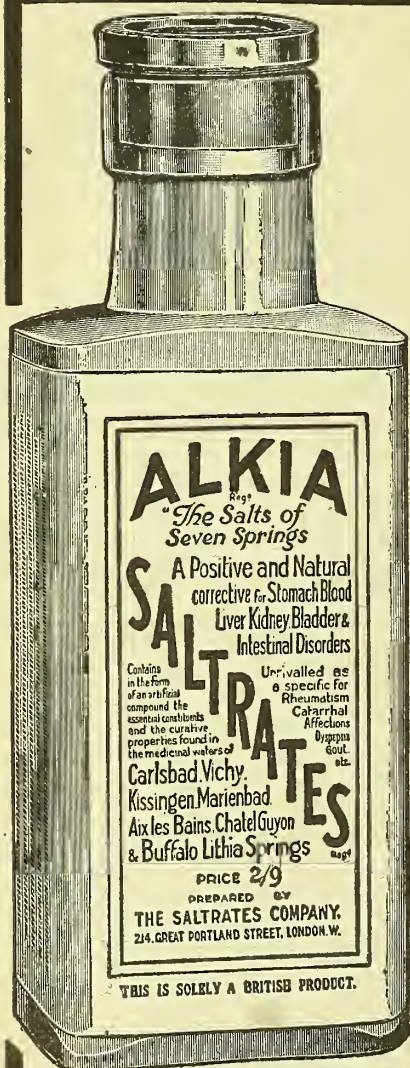
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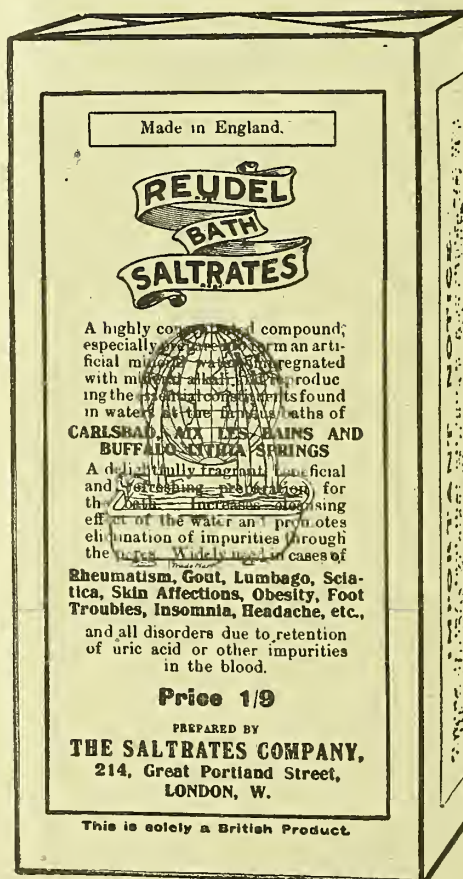
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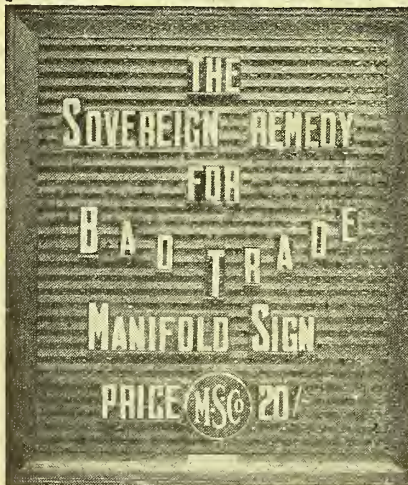
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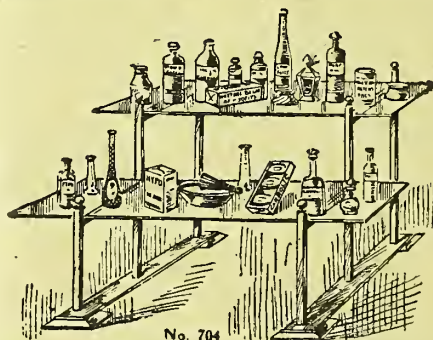
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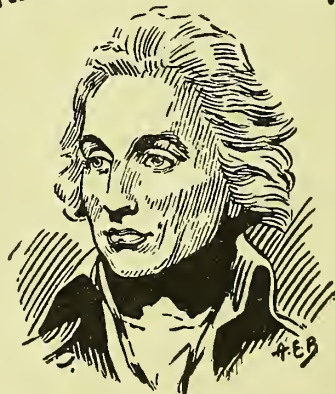
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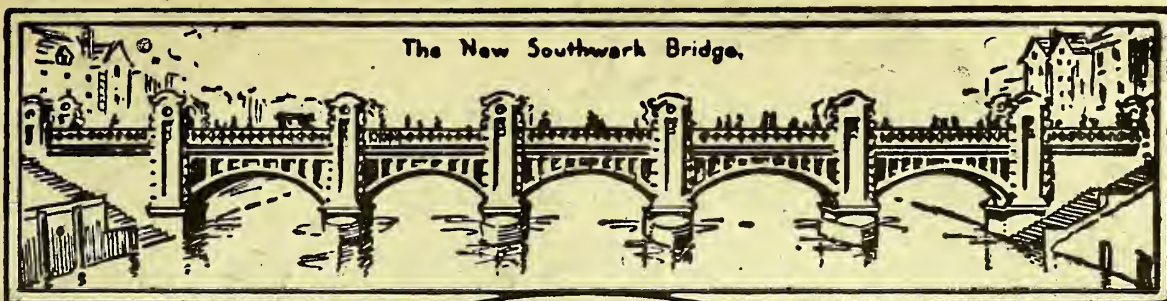
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PHARMACEUTICAL AND PHOTOGRAPHIC PRODUCTS

*R. W. GREEFF & CO. offer at lowest prices the following products
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Acetanilid
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Cinchonidine and Salts
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Guaicolate
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— ENGLISH MADE —

WHITE MEDICINAL OIL, B.P.

(PARAFFINUM LIQUIDUM).**Guaranteed to exactly conform to B.P. tests.**

RECOMMENDED AND ADOPTED BY THE HIGHEST MEDICAL AUTHORITIES.
ABSOLUTELY ODOURLESS AND TASTELESS.

Consumers should insist upon a thorough test, as there are so-called white oils on the market which lack the pure ingredients and the special treatment absolutely essential to produce the B.P. article. By purchasing from Charles Farris you secure the guarantee of an old-established House and complete satisfaction.

Large Stocks always Ready for Immediate Delivery.

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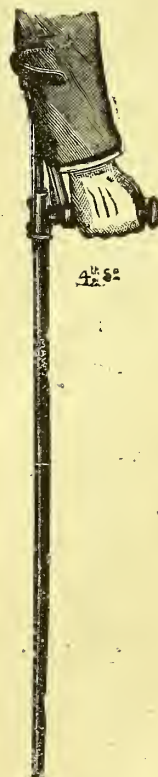
NUMBER 330.

FEBRUARY 9, 1918.

The Crutch for Health and Comfort



THE old type of crutch with its head in the armpit has certain drawbacks. If used continuously the crutch tends to set up irritation, frequently leading to the formation of boils, or, what is more serious, the compression of the large nerves may lead to troublesome paralysis. The crutch illustrated here abolishes pressure on the armpit. It consists of an almost horizontal handle, which is grasped in the palm of the hand, and of a slightly sloped spring which supports the forearm from the wrist to the elbow, where the arm hangs naturally. The greater part of the weight of the body bears on the hand and the wrist. The use of



THE FORE-ARM LEVER WALKING STICK CRUTCH (PATENT)

compels the active use of hands, arm and shoulder, and is thus an exercise for the upper limb. It brings back the joy of walking to the patient, who can easily and naturally use this crutch after a little practice, and half-a-dozen miles or more may be covered without fatigue. Stairs, 'buses and trams form no obstacles for the patient equipped with this invention.

DESCRIPTIVE LEAFLET SENT FREE.

TWO QUALITIES 18/6 and 28/6 per pair.

HOURS OF BUSINESS: 8.30 a.m.—5.30 p.m.

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BISHOP'S PIPERAZINE CITRATE

A REMEDY OF ESTABLISHED AND DEFINITE VALUE

**IN GOUT, LUMBAGO, SCIATICA, NEURITIS, GRAVEL, STONE,
AND ALL MANIFESTATIONS OF THE URIC ACID DIATHESIS.**

Prescribed by the British Medical Profession for 20 years.

The undoubted superiority of Bishop's Piperazine Citrate, and preparations containing it, is due to the stability of the salt, Piperazine Citrate, which, being non-volatile and non-hygrosopic, undergoes no change upon exposure to heat or moisture, and thus lends itself to all manufacturing and dispensing processes.

Piperazine base, on the contrary, is so volatile and hygroscopic that it cannot be manufactured or dispensed with any degree of accuracy. Hence the unreliability of all Piperazine preparations that are not made with Bishop's Piperazine Citrate.

**PIPERAZINE CITRATE
IS MADE ONLY BY
ALFRED BISHOP, LTD.**

Bishop's Piperazine Citrate is the most powerful uric acid solvent known. It neutralises twelve times as much uric acid as any other alkaline solvent, and the resulting Piperazine urate is eight times as soluble as any other urate.

Bishop's Piperazine Citrate is non-irritant and non-toxic. It does not derange the digestive functions and is easily borne by even sensitive stomachs.

Bishop's Piperazine Citrate is supplied in crystalline powder for dispensing, and also in the value and reliability of these preparations have been established by abundant clinical experience.

Granular Effervescent form and Varalettes. The value and reliability of these preparations have been established by abundant clinical experience.

**WE CAN, HOWEVER, SUPPLY PIPERAZINE BASE IN LARGE OR SMALL
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Prices and Particulars on application to—

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USE UNSKILLED LABOUR, DO WORK
QUICKER, SAVE LABOUR.

Labour-Saving Machinery

FOR GLASS BOTTLE FILLING,
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FLASK, CAN AND DRUM FILLING.

Machines for filling all liquids and semi-liquids in any shape
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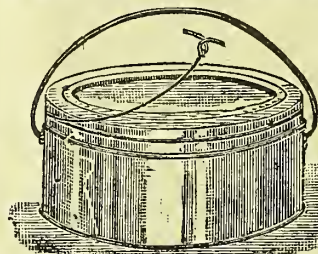
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*Patent Air Tight Slip-lid Tin
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EUCALYPTUS OIL

70/75 % B.P.

Light Carbonate of Magnesia

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Insoluble.

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The Best Natural British Tonic Water*

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**FOR CHAPPED HANDS
AND ROUGH SKIN
SELLS AT SIGHT,
pleases your customers, and
YIELDS 100 PER CENT. PROFIT**

2D.per
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1 gross 8/-	2 gross ... 21%	13 to dozen for cash with
4 gross 15/- net	5 gross ... 5%	order only.
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Advertising matter supplied.

MILNER'S CHEMICAL CO., LIVERPOOL**SPRING'S**

PACKED TABLE

HONEY

All Varieties, i.e., "White Clover," "Heather," etc.
SPRING & CO., Ltd., BRIGG, LINGS.
(The Largest Collectors and Packers of Honey in Gt. Britain)
(Supplies temporarily suspended).

WINGARNIS**Sells readily ALL the time.****COLEMAN & CO., Ltd., Wincarnis Works, NORWICH.**

**IMPORTANT NOTE
TO CHEMISTS
WITHOUT LICENCES**

It has been established
by law that Registered
Chemists may sell
"Wincarnis with
Quinine" *without a*
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**THE FRENCH NATURAL MINERAL
— WATER. —
VICHY-CELESTINS**

**DISORDERS of the LIVER, GOUT,
Diabetes, Rheumatism, Gravel, &c.**

VICHY-ETAT PASTILLES.

Two or three Pastilles after each meal facilitate Digestion.

CAUTION.—Each Bottle from the STATE SPRINGS bears a neck label
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IN RAM & ROYLE, Ltd., Bangor Wharf, 45 Belvedere Road, LONDON, S.E.

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1868 To 1918

"To be 50 years young is sometimes far more hopeful than to be twenty years old"

(with apologies to Oliver Wendell Holmes).



The "Star" or the "Mortar" Label

can be reserved to one customer in a district. The reserved Label can be had for practically everything the pharmacist handles including his favourite proprietary preparations.

By adopting this label you make your pharmacy distinctive; you link up with a progressive House, and what is equally to the point, you increase your sales.

We illustrate a really good Toilet Cream which shows the Star Label and Carton. The Showcards are well up to our usual standard. Why not make this the occasion of adopting one of these labels and commencing a new advance?

Star and Mortar labels. ∴ ∴ 2-oz. Jars beautifully labelled

1 Gross - at 72/- per gross.

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Printed with
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**Make a point
of reading
page 15,
that's our's!**

AYRTON, SAUNDERS & CO. LTD
LIVERPOOL

THE MOST ECONOMICAL INFANTS' FOOD.

TRADE MARK

FRAME FOOD

ON P.A.T.A. LIST.

SHOWCARDS FREE.

FRAME FOOD CO., Standen Road, Southfields, London.



TRADE MARK

ESTD. 132 YEARS.

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WITH BRITISH PARTNERS.

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Annatto, Rennet and
Butter Colour
have the Largest Sale
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Rennet Powder. Essence of Rennet.

BUTTER COLOURING.

Manufactory and Offices—
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Recommend it for Convalescence



Doctors prescribe
Turtle Soup in all
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retain any other
nutriment.

FREEMAN'S REAL TURTLE EXTRACT

is the real meat of selected West Indian Turtles,
compressed into handy tablets; it provides
all the delicacy and nourishment of soup made
from fresh killed turtles, and is quickly pre-
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For hospitals, nursing and convalescent
homes it can be strongly recommended as
the best, safest and
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The trade terms are par-
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NOTWITHSTANDING HIGHER COSTS
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AND SUCH AN ASSURED PROFIT MUST
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MAURICE SMITH & CO.

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The Finest Quality
Aerated Waters are
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Roberts'**
Soluble Essences are
of the finest quality
and being extremely
concentrated are
most economical

Lemon	Ginger Ale
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Ginger	Clear Ginger Beer
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Pineapple	Lemon Squash Vanilla

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Stratford, London



The Old Order Changeth

When the British last fought in Flanders they depended on gipsy fires for hot food—or went without. Now they use THERMOS Bottles, Food Jars, and Jugs, and are sure of a hot drink or meal on or off duty. Supply the Soldiers and the Sailors through their friends with the genuine

THERMOS

THERMOS LTD.,
Byron House,
2 and 4
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"SANAPHOS"

ALL AND ALWAYS BRITISH.

In consequence of increasing difficulty in obtaining tins, "SANAPHOS" is now packed in bottles with an attractive outer casing, preserving all the well-known characteristics of the "SANAPHOS" label.

"SANAPHOS" is a stable and reliable product, and in its new form of packing will resist all climatic changes.

Retail Fixed Selling Prices		2/6 and 4/9 per bottle.
Wholesale Prices		21/- „ 40/- per dozen.

Special discounts on orders of £5 and upwards.

Obtainable from all Wholesale Houses, or direct from the Sole Proprietors—

THE BRITISH MILK PRODUCTS CO., LTD.

69 MARK LANE, LONDON, E.C. 3.

**ARGENTUM
NUCLEINATE**

1 oz. & 1 lb. bots.

**ASPIRIN
ACID
ACETYSALICYLIC**

SUPER P.B. QUALITY.
Free from Acetic or Salicylic
Acids. Melting Point 135°.
British Make.
Bulk & Tablets

**CALCIUM
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$\text{CaH}_2(\text{P.O}_4)_2$
A British Product equal to
Cream Tartar 98 p.c.
Entire output up to end
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Drugs and Chemicals for all Markets.

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**SILVER
PROTEINATE
(Protargol)
P.G.V.
British Make**

**NELSON'S
STYPTIC
PENCILS**

Stop flow of blood at once.
Retail
6d. to 1/- each.
2/6 doz.

**BETA-
NAPHTHOL
BROMIDES
PHENACETIN
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SACCHARINE**

**LORIMER'S
SANATOGEN**

PURE and GENUINE

Prices now are:
2/9 size 2 1/- doz.
5/- " 42/- "

NARGENTOL

Contains 24% Silver
with Protein obtained
from Wheat. The most
important and satisfac-
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Salts.

In 1 oz. & 1/2 oz.
bottles.

**ADEPS
LANÆ,
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(Lanoline)
Anhydrous and
Hydrous.**

SAVE 3/- PER GALLON BY BUYING GUARANTEED GENUINE NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL OF NEW SEASON'S MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB LIVERPOOL."

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And of ST. JOHN'S, N.F.

Established 1780.

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Mouth & Throat Baths

THE WESTERN DENTAL MFG. CO.

(1914) LTD.,

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"SOTOL" Effervescent Tablets are obtainable from all Wholesale Chemists or Druggists' Sundriesmen.

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Size of Brush—6½ by 1½ in.

60 doz., 9/6 per doz.; 30 doz., 10/6 per doz.

This price includes a Celluloid Tablet, 5½ in. by 1 in., printed in two colours, fixed in the back of the Brush: your own sketch or wording.

This Cloth Brush is made of pure bristles, and is of best English manufacture. Quotations for larger quantities obtainable of—

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The difficulty of making minute chemical analysis of SACCHARINE Tablets has paved the way for unreliable products, which are being offered freely. To safeguard the trade we sell on the following conditions:

We will pay the cost of analysis wherever it is shown by recognised analysts that our tablets are not as guaranteed.

OUR GUARANTEE.

We guarantee that every 1-grain tablet contains not less than ½ grain SACCHARINE, testing over 350, and the excipient contains only traces of Soda Bicarb., just sufficient to quicken solubility.

We further guarantee our tablets to be as sweet as the pre-war standard.

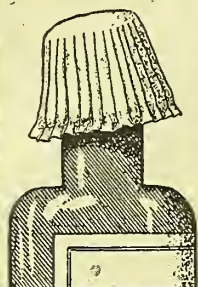
All tablets sold under this guarantee or returnable.

Bottles of 100 (½-gr.) tablets	...	22/-	per dozen
" 200 " " "	...	43/-	"
" 500 " " "	...	105/-	"
" 1,000 " " "	...	205/-	"

Post-paid. Special quotations for quantities. Samples upon request.

The KEENE CO.,
50 Gray's Inn Rd., London, W.C.1

Contractors to His Majesty's War, India and Munition Departments.
Contractors to the Allied Governments' Military Hospitals.
Members of American Chamber of Commerce in London.



— and when the string breaks this is what happens with a paper cap.

SEMREH

BOTTLE CAPS

are not only SELF-FIXING, but they stay fixed.

Details on request.

THE VISCOSE
Development Co., Ltd.
BROMLEY, KENT.

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The liquid hair remover



Dinkie
The Dainty Deodorant

The intelligent depilatory. Simple, safe and effective. Pleasant and harmless. Invaluable during the décolleté vogue. Daintily packed.

An attractive line that enjoys good sales. A greaseless Cream, that takes the odour out of perspiration. Daintily packed in opal jars.

Ask your wholesaler.

Both articles largely advertised.

SATISFACTION GUARANTEED OR MONEY BACK.

TRADE TERMS.

DECOLTENE. Advertised and min. Retail price **3/9**

Trade 30/- per doz.

DINKIE. Advertised and min. Retail price **2/6**

Trade 20/- per doz.

5% cash with order. Carriage paid on 48 lots. Particulars on request.

ROBARTES, LTD.,
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"Just as good" goods,

possibly a little cheaper, showing a slightly better immediate profit, or claiming a multitude of virtues, often tempt the busy chemist to stock them. *It is bad policy*, for in the end it spells disappointed customers and consequent loss of trade.

The success of Anzora Cream has, of course, led to substitution; but let us assure you that there is nothing on the market "just as good." Anzora shows a really *good profit margin*, and is backed up by handsome showcards and a *vigorous advertising* campaign.



Write for full particulars and showcards. Anzora Cream and Anzora Viola (for dry scalps) are on the P.A.T.A. list and are offered at:—

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HAIR CREAM

ANZORA PERFUMERY CO.,
28, 32, 34 Willesden Lane, N.W.6.

FOR LARGE BUYERS.

Dental Creams

Bulk or Packed.

Also Vanishing Creams, Brilliantines, Toilet Paraffins, Lime Creams, Shaving Sticks, Tooth Powders, Shampoo Powders, and All Toilet Goods.

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HIGH QUALITY.**

STOKES & CO., Ltd.

Manufacturing Chemists and Perfumers,

31-35 Lower Castle, BRISTOL.

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LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants,
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HULL

INVITE the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

	P.A.T.A.	Protected Retail Price.	Dozen Net.
*LOSALL'S SALT (well advertised), tins		9d.	6/6
" " " " " "		1/6	13/-
" " " " " " bottles in cartons		1/6	13/-

*Losall's Salt sells so well, surely it must pay Pharmacists to stock such a big profit-bearing protected line.

Owing to the great increase in the cost of raw material and containers for our Losall's Salt, we are compelled to raise the trade prices, but the retail protected prices are proportionately increased.

LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, } 1/6 13/6
especially suitable for use in Eczema

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.

4/6

PER DOZ.

**PERRO
NAIL STONE**

puts on such a splendid nail shine in a minute that lasts all day, despite ablutions. That it is immensely popular explains why we can only execute orders in strict rotation. Being an entirely British article renders it still more attractive.

SHOW AND
SELL IT
DAILY

PERRO

SEND IN YOUR ORDER
FOR THREE DOZEN
SHOW IT IN YOUR WINDOW & GET
HALF-DOZEN BONUS

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**PERRO
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margin is liberal in the extreme without considering the bonus. Its pretty box and dainty little show outer (or card) makes it easy of display. "Perro" needs no verbal introduction—merely display this Nail Polish.

EARN S A
WORTH WHILE
PROFIT

*Are you looking after
and complexions?*

WINDOW

*your customers' hands
If so, at once put in a*

SHOW of**ROSE
VANISHING
CREAM**

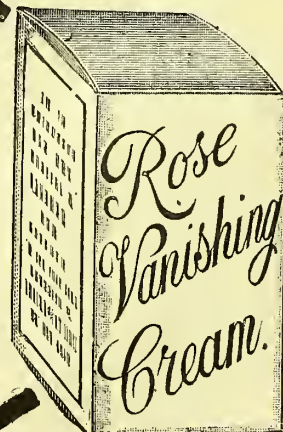
It bears no maker's name, but we guarantee it to do all that the best Vanishing Cream can do. It is delightfully perfumed, well packed and will keep its pearly lustre.

Price **78/-** per Gross.

2/3 per lb. in bulk.

HAZEL FOAM

same style and
price.



THE
**Empire Perfumery
Co.,**

Cuxson, Gerrard & Co., Ltd., Proprietors,
OLDBURY, Eng.

Dummies,
Showcards, and smart
Cut-outs supplied to make
your window fill the till.



THE WORLD'S KEENEST BUYERS WILL TELL YOU THAT THE SUREST WAY TO ATTRACT LADIES TO YOUR ESTABLISHMENT IS TO STOCK AND SHOW THE EVAN WILLIAMS' ORIGINAL HENNA SHAMPOO

The demand for this Perfect Shampoo is increasing by leaps and bounds, and as a selling proposition there is nothing to equal it.

Our Special Campaign of Publicity is now in full swing. This aims at bringing ladies to your establishment, and includes post, press, and window advertising. Write to-day for full particulars of our Special Trial Order.



The EVAN WILLIAMS CO., Ltd. 18 & 18a Ogle Street, Foley St., London, W. 1.

(3)



The
Only Reliable
INSECT POWDER
"MUHAK".

For Sample, apply to—UEYAMAYEI INSECTICIDE PRODUCING AND MANUFACTURING CO., Tosabori 3, OSAKA, JAPAN.

FIGHTING THE RATS.

In the rat war the right kind of munitions matters greatly. "RODINE" ensures victory wherever used. Mr. REITH, Chemist, Culter, writes: "'RODINE' gives to seller and user the best visible results."

"RODINE" WINS.

A Chemist writes: "In one case I know of, 12 tubes of virus did no good, while two 1/- tins of 'RODINE' cleared out all the rats."

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Manufacturing Chemist,
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Petroleum Jelly

White, Yellow, Amber,
& Ruby Red, for all
Pharmaceutical and
Veterinary purposes

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LIVERPOOL . . . MANCHESTER

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WHITE OILS

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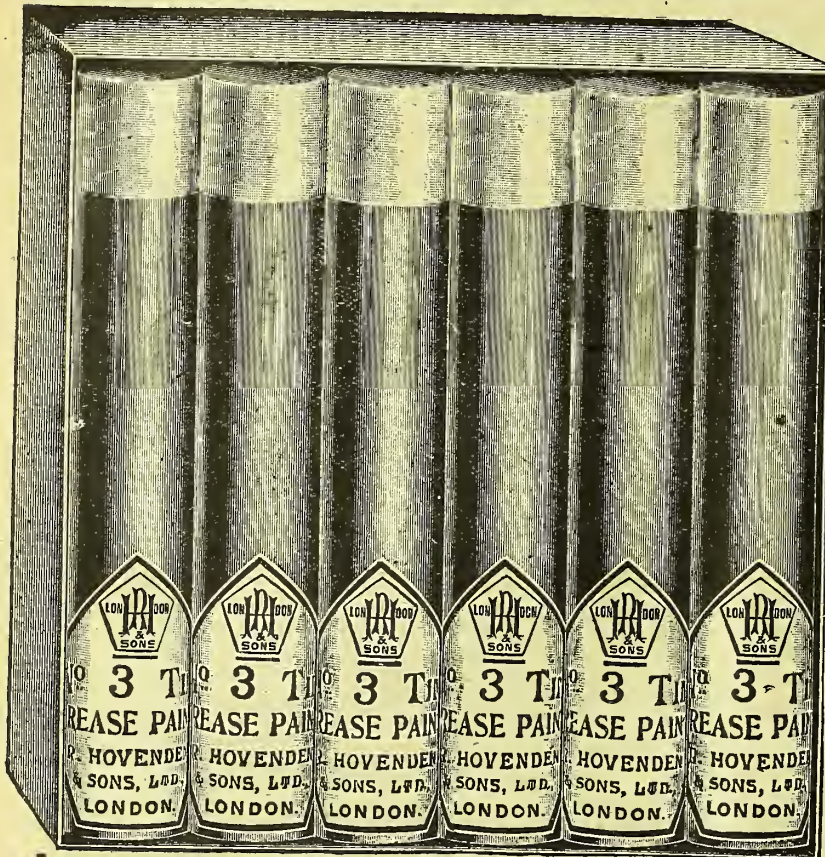
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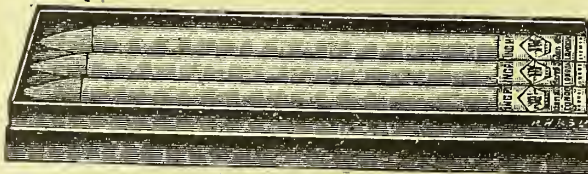
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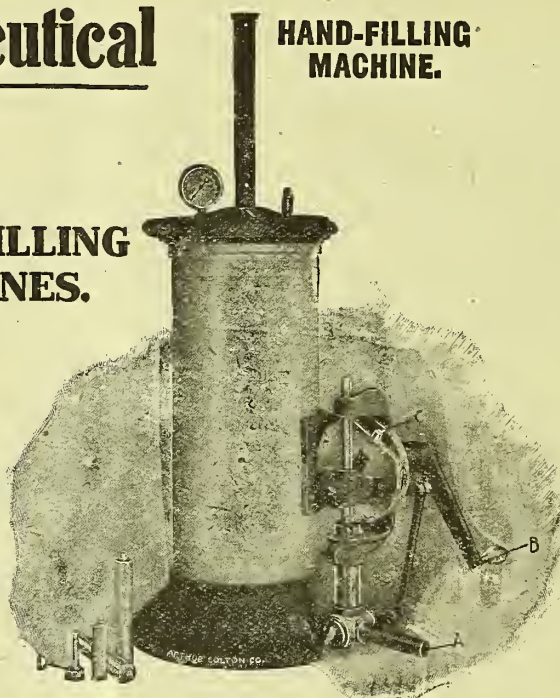
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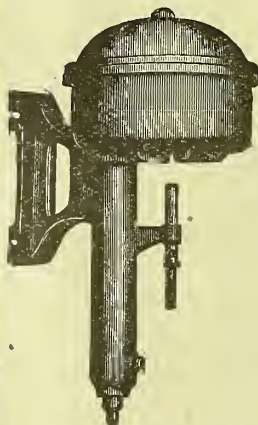
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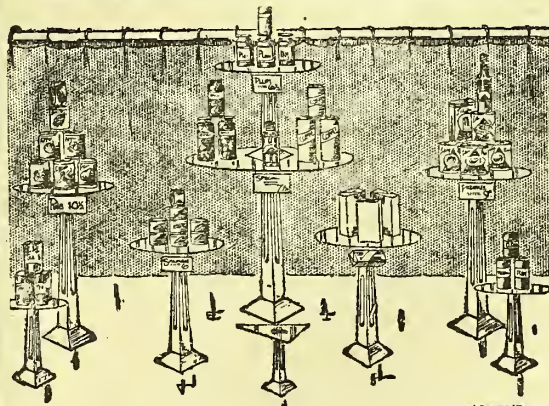
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Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Wednesday, February 13.

Liverpool Chemists' Association, Royal Institution, Colquitt Street, at 8 p.m. Mr. D. Pryor Jones on "Experiences as Dental Chemist"; Mr. J. Plevin on "Organisation"; Mr. J. G. Wallbridge "Reminiscences and Reflections"; and Mr. Harold Lomas on "Where Are We?"

Manchester Pharmaceutical Association, Organic Chemistry Lecture Theatre, The University, at 3 p.m. Mr. J. Grier, M.Sc., Ph.C., and Mr. H. Stephen, M.Sc., on "The Relation Between Dye Research and Synthetic Drug Production."

Ucal Federation, Birmingham Branch, Imperial Hotel, at 6 p.m. Whist-drive at 8.15 p.m. Supper, followed by dancing and music. A collection will be made for the Benevolent Fund, etc. Tickets from Mr. W. Holford Meyer, 5 Gravelly Hill.

Thursday, February 14.

North London Pharmacists' Association, Progressive Pharmacy Club, Arundel Hotel, Victoria Embankment, W.C., at 3 p.m. Mr. J. P. Gilmour, Editor of the "Pharmaceutical Journal," on "The Value of Scientific Training in Business."

Progressive Pharmacy Club, Arundel Hotel, Victoria Embankment, London, W.C., at 8.30 p.m. Miss M. E. Buchanan on "The Need of Business Training in Pharmacy." All pharmacists are welcome.

Friday, February 15.

Industrial Reconstruction Council, Chamber of the Court of Common Council, Guildhall, London, at 3 p.m. Inaugural meeting. Tickets from the Secretary, Industrial Reconstruction Council, 8 Bouverie Street, E.C. 4.

European War News.

Import and Export Notices.

UNITED KINGDOM.—With reference to the Consolidated List of Interpretations of the Import Restrictions, which appeared as a Supplement to last week's "Board of Trade Journal," it should be explained that the decisions contained in the list are only in reply to queries raised. The list does not claim to be exhaustive, and accordingly the exclusion of any article therefrom does not necessarily signify that its import is not prohibited.

Tar Oils.

The Minister of Munitions has cancelled the Order controlling tar oils made by him on October 23, 1917 (see C. & D., November 3, p. 33), as from February 1, and has substituted another Order, the full text of which is contained in the "London Gazette" of February 1, 1918. By this Order the Minister takes possession of all tar oils, and no purchases or deliveries can be made except under licence, which will not be required for quantities not exceeding an aggregate of 5 gals. during any one calendar month. Neither will a licence be required

by any person, after the first application by him for suspending the granting or refusal of a licence, for the delivery to him under a contract in writing existing at the date hereof and lawfully entered into of such tar oil for the purpose of benzol washing or for the manufacture of disinfectants, antiseptic drugs, lamp or vegetable black, or fuel, to a total amount not exceeding the amount of one month's average of monthly deliveries under such contract during the three calendar months immediately preceding the date hereof.

The expression, "tar oil," means light oil, sharp oil, creosote oil, green oil, and anthracene oil, and any other oil produced from or containing an admixture of oil produced from the distillation of gas-coal tar, coke-oven tar, oil-gas tar, producer-gas tar, water-gas tar, and Mond-gas tar, or any of them, with the exception of crude benzol, crude naphtha, crude solvent naphtha, solvent naphtha, heavy naphtha, crude carbolic acid, light oil containing recoverable amounts of benzol and toluol, and oils produced from the said tars or any of them containing more than 50 per cent. of pyridin or any other tar bases. Returns of stocks of tar oils are to be made to the Controller of Explosives Supply, Storey's Gate, Westminster, S.W. 1. A schedule to the Order prescribes maximum prices for sales of tar oils for various purposes.

Personalia.

CADET JOHN H. POTTIE, second son of Mr. John Pottie (Boots, Ltd., Edinburgh), has been gazetted to a commission in the Royal Scots.

DR. R. M. BRONTE, Ph.C., Examiner to the Pharmaceutical Society of Ireland, has been appointed pathologist for service with the troops at Boulogne.

SECOND-LIEUTENANT T. EVERITT, Royal Field Artillery, who has recently been gazetted, was well known in former times in Sheffield and the district as the representative of Bovril, Ltd.

GUNNER F. G. DAVIES, Royal Garrison Artillery, reported missing since November 30, 1917, is a prisoner of war in Germany. In civil life he was a partner in Davies, Sons & Co., wholesale druggists, Bridge Street, Derby.

PRIVATE S. J. ALLEN, Shropshire Light Infantry, reported missing and listed later as killed, is now known to be a prisoner of war in Germany. In civil life Private Allen was with Ison & Sons, Ltd., chemists, Wellington (Salop).

CORPORAL R. V. REITH, Gordon Highlanders, has been wounded on the Italian Front, and is now in hospital in Italy. In civil life Corporal Reith was with T. & H. Smith, Ltd., Edinburgh. He is a brother of Mr. J. R. Reith, pharmacist, Culter.

LANCE-CORPORAL SANDS, East Yorkshire Regiment, who is in hospital with wounds, has been awarded the Military Medal for going five times through a barrage to rescue the wounded. In civil life Lance-Corporal Sands was with Mr. Arthur Mills, chemist and druggist, Terminus Road, Eastbourne.

SECOND-LIEUTENANT L. H. WALSH, London Regiment, son of Mr. A. Walsh (Lennon, Ltd.), of Cape Town, has been awarded the Military Cross for gallant conduct in a recent push in the Ypres battle. Lieutenant Walsh originally joined the Forces as staff sergeant in the S.A. Ambulance, and gained the D.C.M. in the Battle of the Somme. He was among the first of the Cape chemists who volunteered for service overseas.

STAFF-SERGEANT W. A. ROBE, R.A.M.C., Ph.C. (not "Ramp," as printed on p. 33 of our last issue), has sent

B

a cheery letter from captivity to his home at Wisbech. The following is an extract: "I am really quite happy, and am being treated with far more consideration than I expected. I spent four days with what corresponds to our F.A., where I attended to our fellows. I must say I was given every facility and advice. My French is standing me in good stead, as most people here speak it. The C.O. of this hospital was at Donnington Hall a year. He is very nice. The food is strange, but I am already becoming accustomed to it, and have plenty to eat and drink. I have never done better work in my life than during this past week. I spent a lot of time in the operating-theatre, and the experience is great."

Miscellaneous.

RESIN AND RESIN OIL are now controlled by the Ministry of Munitions (see p. 49).

BELGIAN DOCTORS' AND PHARMACISTS' RELIEF FUND.—The Fund has received a donation of 100*l.* from Parke, Davis & Co. Subscriptions should be sent to the Treasurer, Dr. H. A. Des Vœux, 14 Buckingham Gate, London, S.W. 1.

ENEMY PATENTS.—The Director of Contracts, Admiralty, has applied for licences to work the Messerschmitt hydrogen patents. The hearing was on February 8. Farrow & Jackson have been granted licences to use the Seitz filtration patents.

RETURNS OF RAW COCOA.—The Food Controller has issued an Order requiring returns of all cocoa in bond on January 22, 1918. The return must include all raw cocoa, whether held on account of persons outside the United Kingdom or otherwise.

IMPORTED LARD DEARER.—The Food Controller has made an Order raising to the following figures the maximum rates at which imported American and Canadian lard may be sold by an importer: Refined lard (pails, boxes, tierces or other packages), 152*s.* per cwt.; raw or unrefined lard (tierces or other packages), 149*s.* 6*d.* per cwt. The price of all other lard remains unaffected.

SCHEDULE OF PROTECTED OCCUPATIONS.—A revised schedule of Protected Occupations (M.M. 130) for men employed on Admiralty, War Office, munition work, or in railway workshops was issued on February 1. It can be obtained from the Stationery Office (2*d.*). The new edition is indexed. The present age-limits for the following classifications in drug-houses are given in parentheses: Departmental foreman (26), analytical chemist (23), skilled counter-hand (28), drug-grinder (25), galenical-maker (25), plaster-maker (24), granulator (30), and tablet-maker (30).

Tales of Oenophus.

VIII.—Concernynge Face Valuatione.

NOWE that ye Greate Glehne-Djinns is Percht Inaccessibile among ye Olympians constructynge a New Worlde thys questione vexeth much ye Common or Ordinarie Personne.

To Olympians it hath become a Matter of No Moment. So perforce One must turne frem ye Shrine of Djinns and Ugles to ye Preachmentes of Lesser Lightes.

And there is one Sahndres of Lyver's Poole whose Voice—erstwhile in ye Wyldernesse—is now hearde even in Greater Brumme. And Many There Be that listen thereto. For thys Prophet of Lyver's Poole is a Manne with Faith. And Faitho is needfull in Face Valuatione.

Albeit there be Disgruntelt Ones who complayne bitterlie saying: "What of thys Face Value of which thou spekest? Have not I given Votements oft-times to Men of Eloquente and Noble Presence? Hyghe was Their Face Value butte Dusto and Ashes was Their Deliverance. Compleat Eklippse followeth a Spasme of Efforte. Woe is me, for ye Lotus Gardene in ye Square."

Whereat Ugoh saith: "Tutt! Tutt!" and ye Hereticke saith: "Pshawe!" And they proceede to explaine in allo Gentynesse that Reale Issues are Dealt Withe—for ye Firste Tyme.

Butte depe is ye Astonismente of ye Ordinarie Personne to lerne that Aught in Farma Zooticks hath a Reale Face Value.

MEAT SHORTAGE.—Instead of publishing sensational accounts of butchers' queues, newspapers would do well to mention that the people in this country, like the inhabitants of many other countries, can adequately supply their need for energy and protein with a very much smaller ration of meat than has been customary in the past. Most people who live sedentary lives will certainly be all the better for the reduction.—*British Medical Journal.*

Profits on Proprietaries.

A SPECIAL CONFERENCE OF CHEMISTS was held at the Imperial Hotel, Birmingham, on January 30, to consider the question of forwarding the movement towards increased profits on proprietary articles as advocated in the correspondence columns of THE CHEMIST AND DRUGGIST. Amongst those present were Messrs. Miller (Cheltenham), Saunders (Liverpool), Jackson (Hereford), Francis (Wrexham), Hugo Wolff (London), Cornwell (Hanley), Davis (Nuneaton), Hind (Leicester), Price (Blackheath), Rigg (Hedges, Ltd., Birmingham), Gee (Needhams, Ltd., Birmingham), Thompson, Knewles, Meyer, Francis, Blackham, Hill, Rushton (Birmingham), Hampton (Smethwick), Tranmer (Smethwick), and Kemsey-Bourne (West Bromwich). Mr. Hampton presided, and called upon Mr. Miller, who had brought the meeting together, to read a number of replies from prominent business houses in answer to letters sent out by him. Mr. Hampton, in his opening remarks, pressed strongly for the principle of face-value for all proprietary articles. Mr. Hugo Wolff suggested that greater progress would be made by dividing the subject into two parts—(1) face-value and how to get it; (2) profits. Mr. W. H. Saunders spoke of the sympathetic attitude of the wholesale trade to the principle of face-value with discounts, and suggested that the two stumbling-blocks to the adoption of it would be the Proprietary Articles Trade Association and Boots, Ltd. He pressed for a deputation from the meeting to call upon the P.A.T.A. and Boots, Ltd. Mr. Saunders insisted that proprietaries should contribute their just proportion of the profits of the pharmacist's business—it was quite unfair, he said, that a part of a chemist's business should give less than its share. Mr. Wolff showed that failure to establish the principle of face-value in the past was due to want of organisation, and that the only organised body capable of doing this—the P.A.T.A.—existed to maintain prices, not to fix them. Mr. Francis supported the idea of face-value, and suggested that the meeting should pass a resolution to the effect that a reputable firm of chartered accountants should be engaged to go into the figures as to what are, and should be, the proportion of profits necessary in our business. Mr. Rigg said that a great mistake would be made if it was decided to go against the P.A.T.A., which was agreed to by all. His company supported the principle of face-value. Mr. Gee said Needhams, Ltd., are heartily in agreement with the principle, and he and his company would do anything they could to forward the movement. Mr. Cornwell and Mr. Tranmer also joined in the discussion. Mr. Price agreed that from the standpoint of standardisation face-value would make work easier from everyone's point of view—manufacturers, wholesalers and retailers. Mr. Wolff then proposed the following resolution:

"That this representative Conference of chemists (wholesale and retail) heartily supports the principle of protecting the prices of patent medicines and proprietary articles at face-value, and hereby appoints a Committee to consider the best method of bringing about this desirable reform."

This was seconded by Mr. Saunders and carried unanimously. The Committee was then directed to approach the P.A.T.A., the local associations, and the various multiple stores with a view of obtaining their co-operation. A Committee, composed of Messrs. Miller, Hind, Hampton, Saunders, and Jackson was then formed, with power to add to their number, with Mr. Hugo Wolff as Honorary Secretary *pro tem.* Mr. Wolff spoke of the modern trend in the matter of price-protection, and gave an instance of this at present before the American Courts. Mr. Miller said they should make a fair demand from the manufacturers and get the chemists of the country to back it up. Mr. Francis (Wrexham) suggested that a fair demand would be not less than 20 per cent. on foods, 25 per cent. on proprietary medicines (stamped and unstamped), and 33½ per cent. on toilet-goods. The meeting agreed to this, and directed the Secretary to convene a meeting of the Committee at an early date. All chemists interested in face-value and higher profits on proprietaries are asked to communicate with the Secretary (180 Philip Lane, Tottenham, London, N.).

ANAEROBIC BACTERIA.—The Medical Research Committee under the National Health Insurance Act has issued No. 12 of the Special Report Series (Stationery Office, 2*s.*), dealing with the classification and study of the anaerobic bacteria of war wounds. A Supplement deals with the methods for cultivating the anaerobic bacteria. The report is illustrated.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Society of Apothecaries of London.

At the Assistants' examination, which commenced on January 28, the following candidates were granted the certificate of qualification to act as an assistant to an apothecary in compounding and dispensing medicines:

Adams, M. E.	Gillis, Adolphus	Partington, E. M.
Alexander, N. M.	Gonzawa, E.	Phipps, A.
Arnold, E. V.	Grant, D.	Preston, K.
Barclay, B. A. M.	Gray, D. M.	Pullon, D. M.
Bawden, B. K.	Gray, I. M.	Reston, H.
Bennett, G. E.	Guest, O. W.	Roberts, G. H. F.
Bird, M.	Hall, I. L.	Robertson, M.
Birks, E.	Hepworth, W. D.	Rodgers, William
Blake, K.	Hiscock, S. F.	Rogerson, M. B.
Bond, H. G.	Holbrook, G.	Ross, M. A.
Brailsford, I.	Holliday, G. M.	Rylance, H.
Brain, G. E.	Honey, V. F.	Savage, C.
Browne, M. H.	Inwood, J. E.	Sellwood, C. M.
Clare, N. K.	Jameson, I. M.	Strong, M. H. V.
Clopland, F.	Jewell, W.	Surridge, E. M.
Coulthard, George	Long, E. M.	Symonds, E. M.
Cox, D. L.	Lukin, E.	Taylor, Minnie
Creagh, M. F.	Mason, E. M.	Thomas, M. G.
Crombie, E. P.	Matheson, W. E.	Tilsley, A. E.
Cross, L. L.	Minett, W. M.	Townsend, F. A.
Dangerfield, G. R.	Mitchell, E. E.	Unwin, M.
de Guchtencere, J. M.	Moxon, M.	Vipoud, A. M.
Dickson, K. W.	Moxon, D. J.	Watkins, A. M.
Down, P. M.	Nettleton, F. M.	Wells, L. W.
Dymore Brown, A. L.	Nimmo, D. P. G.	White, E. M. L.
Fleming, H. G.	Ogden, W. M.	Williams, A. J.
Garratt, M. H.	Olliver, R.	Wilshaw, D. M. L.
Gibson, K. G.	Page, D. E.	Wood, E. B.
Giles, E. E. E.	Palmer, A. M.	

Guardians' Affairs.

Southwark Board of Guardians have decided to grant Miss Flood, dispenser at their Newington Institution, a temporary allowance of 20% per annum in consequence of her additional work during the military occupation of the infirmary.

Birmingham.

A packet of potassium chlorate supplied to a professional man in this city was labelled "Potassium chloride" by a young lady behind the counter.

The city analyst has, in examining a sample of tea, found over 8 per cent. of the fruit of the tea-plant present. He states this is the first-known instance of the kind in this country.

A Birmingham scientist who is by way of being a wag states that the expansive property of heat and the contracting effect of cold account for the days being respectively long in summer and short in winter.

The employés of Chance & Hunt, Ltd., and Albright & Wilson, Ltd., have extended their strike notices till the claim of 12½ per cent. for chemical-workers has been heard by the Committee on Production in London.

In claiming exemption before the local Tribunal, an inventor stated that he had discovered how to stick celluloid together by means of a secret solution, the composition of which was formerly a German secret. He impressed the Tribunal to the extent of three months' exemption for further research.

Liverpool.

The name of Mr. Ashcroft as one of the old members returned to Council was inadvertently omitted last week (*C. & D.*, February 2, p. 46).

Mr. W. H. Saunders (Ayrtton, Saunders & Co., Ltd.) has been elected a member of the Executive of the Merchants' Section of the Liverpool Chamber of Commerce.

The largest available room, central and suitable for the Benevolent Fund Smoking-concert of the Liverpool C.A., has been booked for a Wednesday night in April.

Boys have been a scarcity in pharmacies of late, but a well-drawn advertisement this week produced over forty applicants, most of whom came accompanied by their mothers.

Mr. George Whitfield, of Scarborough, has written to the Liverpool C.A. an appreciative letter concerning his visit to the city, where he especially enjoyed the semi-social gathering at the Royal Institution.

The Serbian delegates visited the district last week and were conducted by Mr. Max Muspratt over the works of the United Alkali Co., Ltd., Widnes. The model establish-

ment of Lever Bros., Ltd., at Port Sunlight, was also included in the tour.

Mr. Percy Stone, who after a brief return as a special engagement to R. Sumner & Co.'s, Liverpool, has taken up residence at Eastbourne, has been presented, at the headquarters of the above firm, with a valuable picture, Mr. Catley and Mr. Hetherington being the spokesmen. At Mossley Hill Parish Church, Liverpool, where Mr. Stone had been for many years a baritone soloist in the choir, he has received silver souvenirs.

Manchester.

The River Irwell Conservancy Committee proposes the appointment of Mr. S. E. Melling, F.I.C., as consulting chemist at a remuneration of 2900% per annum *plus* a sum not exceeding 15 per cent. to cover his outlay on chemicals. Mr. Melling is to provide his own assistant.

Miscellaneous.

FIRE.—An outbreak of fire occurred on January 28 on the second floor of premises in Old Bond Street, Bath, occupied by Davies & John, chemists. Damage by water was done to stock and fittings in the shop.

CREAM-SUPPLY.—Mr. Henry Heale, chemist and druggist, Westcliff-on-Sea, who was visiting Bideford, was fined one guinea for wrongfully obtaining cream on a certificate, signed by himself, stating that he was suffering from nervous dyspepsia and required it.

MOTOR-SPIRIT PROSECUTION.—At Cambridge Police Court, on January 31, Mr. W. H. Bockham, Great Shelford, business manager for Sturton & Son, chemists, Fitzroy Street, was fined 1% for a contravention of Motor-Spirit (Consolidation) and Gas Restriction Order, 1918. Police evidence was given to the effect that Mr. Bockham was using a motor-car for a purpose not specified in the regulations.

LICENCE APPLICATION.—At Blackpool Licensing Sessions, on February 4, Arthur Walker, drug-store proprietor, 165 Church Street, applied for a licence to sell medicated wines, stating that the nearest shop where they could at present be obtained was about 300 yards from his premises. He added that, though not qualified himself, he had qualified help during certain parts of the day. The application was adjourned to March 4.

POISONING.—At a Southwark inquest, on February 1, on the body of Mr. Frederick Gale, a director of Graham, Davis & Partners, Ltd., financial agents, St. Swithin's Lane, London, E.C., evidence was given that on January 15 he drank some dye in mistake for a tonic. An emetic administered in a chemist's shop in St. Swithin's Lane had no effect, and death took place in Guy's Hospital, subsequent bacteriological examination revealing the presence of an aniline dye. A verdict of "Death by misadventure" was returned.

DAVY-FARADAY RESEARCH LABORATORY.—At a meeting of the Royal Institution on February 4, it was reported that Dr. Ludwig Mond, in 1894, under the conveyance and deed of trust of the Davy-Faraday Research Laboratory, covenanted to pay to the Royal Institution before the year 1926 the sum of 62,000% as an endowment fund. The trustees of Dr. Mond's estate have generously anticipated the obligation by eight years, and have transferred the sum of 66,500% in 5 per cent. War Stock to the trustees of the laboratory.

THEFT CHARGES.—At the Central Criminal Court, London, E.C., on February 1, Frank Avigdor was sentenced to eight months' imprisonment in the second division for inciting an employé of Edwards' Harlene, Ltd., to steal certain drugs and essential oils, their property (*C. & D.*, January 19, p. 35).—At Rochester, on January 29, Jack Micklewright was placed on probation, and ordered to pay 17s. 6d. costs, for stealing goods value 15s., the property of Mr. Gerald A. Morris, chemist and druggist, High Street, in whose shop he had been at work on electric fittings.

WAR-SAVINGS CERTIFICATES AGENCIES.—The scheme of the National War Savings Committee (Salisbury Square, London, E.C. 4) for establishing agencies for the sale of War-savings Certificates is that tradesmen should purchase the Certificates at 15s. 6d. each and resell them to their customers. The Certificates may be sold by means of weekly subscriptions. The action of the shopkeeper is purely patriotic, but he should secure affiliation with the National War Savings Committee through local Committees. A form is supplied by the Secretary of these Committees which enables the person who possesses it to purchase Certificates with blank spaces for the name and address of the ultimate buyer. The National War Savings Committee advertise the scheme in this issue.

Irish News.

Brevities.

Chemists in Cork complain that, owing to the inclement weather, business has been very dull during the past month.

The strike at Kiloh & Co., Ltd., chemists, Patrick Street, Cork, is still unsettled. This week the Cork Branch of the Irish Chemists' Assistants' Association have issued leaflets and posters stating the case on behalf of the assistants on strike.

In the Nisi Prius Court, Dublin, on February 4, Mr. W. Montgomery recovered 125*l.* from Hugh Moore & Alexanders, Ltd., for valuing premises in Bolton Street destroyed during the rebellion in 1916. Defendants disputed the scale of charges of the fire assessor.

At a weekly meeting of the William Orr Branch of the Irish National Foresters, Cookstown, last week, a resolution was passed expressing regret at the death of Lieutenant W. J. McVeagh, Royal Munster Fusiliers, who was an assistant with Mr. W. F. Doohan, Ph.C., Bangor, before the war.

The wall which remained standing after the fire at the Patrick Street premises of the Cork Chemical and Drug Co. was in danger of collapsing during the recent storm, and special precautions had to be taken. The Minister of Munitions still refuses to give a permit for the rebuilding of the premises.

Early Closing in Belfast.

The question of early closing for the drug-trade came up at the Belfast Corporation monthly meeting on February 1, when the Police Committee reported they had received a memorial signed by 110 shopkeepers carrying on the retail business of a pharmaceutical chemist, chemist and druggist, or registered druggist, asking that an Order be made under the Shops Act, 1912, requiring all shops of the classes mentioned to be closed for the serving of customers on the several days of the week as follows: On Mondays, Tuesdays, Wednesdays, Thursdays, and Fridays, at 9 p.m., and on Saturdays at 10.30 p.m., and providing that the proposed Order shall not apply on the day preceding a general holiday, or the six working days immediately preceding Christmas in any year; also, that nothing in the proposed Order shall affect the obligation of a shopkeeper to close for the weekly half-holidays. The Committee made the following recommendation: That, in the opinion of this Committee, a *prima-facie* case has been established for the making of an Early Closing Order under the Shops Act for shops in the city in which the retail trade or business of a pharmaceutical chemist, chemist and druggist, or registered druggist is carried on, and that the Council be recommended to authorise the taking of the necessary steps for the making of the Order. Alderman Dunlop moved the confirmation of the recommendation, observing that the chemists and druggists are entitled to the half-day. The recommendation was unanimously agreed to.

Scottish News.

Scottish Chemists' Retail-price List.

The January number of the Scottish Chemists' Retail-price List contains a new sundries column, the extension of which will be welcomed by subscribers. The following are some of the alterations and additions in the current issue:

Drugs.—Adeps benz., 4*d.* oz.; bay rum (industrial), 3*d.* oz.; Bland pills (gelat.), 1*s.* gro.; dec. sarsae co. conc., 10*d.* oz.; iridis pulv., 5*d.* oz.; liquorice-and-menthol pellets, 8*d.* oz.; malt extract and cod-liver oil, 1-lb. 1*s.* 9*d.*, 2-lb. 3*s.*; ol. lini, 1*d.* oz.; ol. olivae (sublim.), 4*d.* oz.; paraf. liq., 4-oz. bot., 1*s.* 6*d.*, 12-oz. bot., 3*s.*; quinine pills (2-gr.), 8*d.* doz.; rad. sarsae jam., 3*d.* oz.; sugar of milk, 5*s.* lb.; syr. hypophosph. co., 2-oz. bot., 10*d.*; tro. bismuthi, 5*d.* oz.; tro. sulph. co. (Garred), 4*d.* oz.; vaseline, 2-oz. pot., 6*d.*

Sundries.—Boric lint, 4*d.* oz.; cotton-wool, No. 1 4*s.* lb., No. 2 3*s.* 3*d.* lb.; douche-cans, aluminium, 2-pint 4*s.* 6*d.*, 4-pint 6*s.*; gauze, plain, 6 yds., 1*s.* 9*d.*; rubber hot-water bottles, 10 × 8, 6*s.* 8*d.*; oiled silk, 20 sq. in., 1*d.*; surgeons' lint, 6*d.* oz.; waterproof sheeting, 3*s.* 6*d.* sq. yd.

Edinburgh.

The output of sphagnum-moss dressings is stated to be 2,000 per week.

The demand locally for saccharin tablets has slackened since the institution of a sugar-ration.

Several local doctors have recently been ordering erythrol tetranitrate tablets. They have latterly enjoyed a long rest—i.e., the tablets.

South African News.

(From "C. & P." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

BUSINESS CHANGES.—Mr. Jas. Moore has purchased the business carried on for many years at Sea Point by Anderson & Co., and is removing it to more suitable premises in the neighbourhood.—Mr. A. Dowling, who has recently returned from the United States, has purchased the business of Mr. C. Merry, Long Street, Cape Town, and is transferring to Sea Point.

O.F.S. PHARMACEUTICAL SOCIETY.—A special general meeting of the O.F.S. Pharmaceutical Society was held at Messrs. Petersen's offices on December 20. There were several members present. The only business before the meeting was to decide what action was to be taken to safeguard the title of "chemist," and to see that the word "chemist" was embodied in the new Pharmacy Bill. It was decided to write to the local members of the Legislative Assembly asking them to use their influence to that end.

BUSINESS IN BLOEMFONTEIN.—Pharmacy in Bloemfontein is in a prosperous condition at present, the eight chemists and druggists who divide the business being exceptionally busy, their only trouble being the shortage of stock. Stocks of American proprietary medicines are very small, and the shortage will doubtless be accentuated as time goes on. British druggists' sundries are also difficult to procure, several lines being out of stock. Japanese houses have stepped in and are doing well, but the goods are inferior to those of British make.

NATAL CLOVE OIL.—The London "Times" reports that there is every likelihood of a new industry being established in Natal for the purpose of distilling oil from cloves brought down from Zanzibar and other East African ports. [There is a large demand for clove oil for the manufacture of eugenol, used in making vanillin, and, with the Continental production cut off since the war, the British distillers have had as much business as they can manage. There is, however, the difficulty during the war of obtaining the necessary copper stills.—ED.]

PRESENTATION.—The staff of Heynes, Mathew, Ltd., and their friends held a social evening on December 14 at the Central Hotel, Cape Town, for the purpose of making a presentation to Mr. G. S. Young, as a mark of the respect and esteem in which he is held by his colleagues. Mr. Young is leaving Haynes, Mathew, Ltd., after five years' service. Mr. F. C. Mathew (managing director) was in the chair, and was supported by Mr. A. H. Mathew and Mr. H. J. Kinlay. In making the presentation of a gold watch from the staff, a fountain-pen and silver cigarette-case from the directors, the Chairman referred in eulogistic terms to the good work and faithful service rendered by Mr. Young, who suitably responded. An excellent musical programme followed. Mr. Young is leaving for Durban, where he joins the American Trading Co. (agents for Mulford, etc.).

Pharmaceutical Society of Cape Province.

A GENERAL MEETING was held in the Society's room, Darling Street, Cape Town, on December 20. The following members were present: Messrs. D. L. Petrie (President), A. E. Tothill, T. J. Hughes, S. W. Hill, J. Sowden, G. Smith-Houghton, H. Elion, R. Oxenham, J. Sloan, C. Faulk, H. E. Mann, W. J. Smith, J. R. Corrigan, W. Froembling, Edelstein, Asher, Rivett, and F. C. Spruce (Secretary). After the minutes of the previous general meeting had been read and passed, a discussion was opened by Mr. Smith-Houghton on the necessity of taking steps to safeguard the title "chemist" in view of the new Medical and Pharmacy Bill coming before Parliament shortly. Mr. Tothill, Mr. Asher, and Mr. Rivett spoke, all urging the necessity of prompt action, and it was resolved, on the motion of Mr. S. Hill, that the Council be asked to draft a letter to be sent to each member of Parliament, embodying the views of the members; to arrange interviews with local members of Parliament, and take any other steps deemed advisable to safeguard the title. Mr. G. Smith-Houghton moved "That Rules 10 and 11 be deleted, and the following inserted: 'That associate members shall nominate and vote for one associate member to represent them on the Council.'" After some discussion this motion was withdrawn. Mr. S. W. Hill opened a discussion on "the advisability or otherwise of continuing the present headquarters of the Society." The general opinion of members was that the room should be kept on and some steps taken to raise the necessary funds.

Legal Reports.

Sale of Food and Drugs Acts.—At Croydon on February 2, Wm. Sharp, Carshalton, was fined 40s., and costs, for selling self-raising flour containing 34 per cent. of calcium sulphate.—At Salford on January 25, Thos. Evans & Son, 7 Whit Lane, Pendleton, were fined three guineas for supplying dispensed medicine not in accordance with prescription. The mixture should have contained 180 gr. of potassium iodide, but the analyst found only 90 gr. present. Defendant explained that owing to certain circumstances the stock solution of potassium iodide was made up half-strength, and this alteration in strength was forgotten at the time.—At the Drogheda Petty Sessions, Agnes Healy, Drogheda, was fined 1s., with 10s. costs, for selling lime-water deficient in lime.

Libel Action.—In the King's Bench Division on February 4, before Mr. Justice Darling, Mr. R. J. D. Roff, departmental manager of Thornett & Fehr, sued the British and French Chemical Manufacturing Co., Manchester, and Mr. J. Gibson, director, for libel in a letter sent by defendants to Mann & Cook, St. Mary Axe, London, E.C., on October 9, in which it was imputed that plaintiff was a German or of German origin. Defendants denied the publication of the libel, or that the words were defamatory, and alleged that if published the occasion was privileged. Plaintiff, said his counsel, was born at Hampstead, and his ancestors for several generations were British born. The defendant company had contracted to supply Mann & Cook with sulphate of soda, and when default was made in the delivery Mann & Cook wrote that they had appointed plaintiff as arbitrator. Thereupon defendants wrote a letter in which they declined to accept as arbitrator "a man with a German name." No witnesses were called for the defence. The jury found that the letter was libellous, but was written without malice. The damages were assessed at 50*l.*, for which amount his Lordship entered judgment, with a stay of execution.

A Saccharin Agreement.—In the King's Bench Division on January 31, before Mr. Justice Sankey, the Anglo-Continental Chemical Works, Marlborough Gate, London, W., asked for a declaration from the Saccharin Corporation, Ltd., Arthur Street, London, E.C., that they were entitled to information as to profits of certain sales of saccharin in the United Kingdom under an agreement between the parties entered into in January 1909. Plaintiffs said that under an agreement whereby the defendants were to maintain a monopoly in England of the sale of saccharin, the Saccharin Corporation were to pay them five twenty-fourths of the profits, but paid nothing for the years 1913 and 1914. Subsequently, as certain patent rights owned by the defendants were running out, there was a threat by Continental merchants to secure the trade, and the Corporation bought them off, giving the foreign syndicate three-quarters of the profit and taking one-quarter themselves. Plaintiffs objected to the arrangement, saying they ought to have been consulted as to the agreement with the syndicate. They also contended that the Corporation were not entitled to debit against them payments made to foreign manufacturers in arriving at their profits. Plaintiffs were entitled to their proportion of the profits first, the remainder to be divided amongst the syndicate. The matter now came before the Court on a special case stated by the arbitrator. Defendants' counsel submitted that the subsequent agreement with the syndicate was essential to the Corporation if it was to continue to retain the business, and from a commercial standpoint the Corporation had no option in the matter.

Section XVII. Case.—At the West London Police Court on February 2, before Mr. Denman, Mr. Griffith William Evans, chemist and druggist, 239 Hammersmith Road, London, W., was summoned for selling poison by retail without making an entry in the poison-book, as required by Section 17 of the Pharmacy Act of 1868. Mr. Barker prosecuted for the Treasury and Mr. Kirby represented the defendant. Mr. Barker, in opening the case, said the facts were not in dispute—it devolved itself into a legal question. On December 7 a man named Hoggin died at Notting Hill, and a Coroner's jury returned a verdict that death was due to syncope from tubercular disease of the lungs, accelerated by injections of morphine. Among the witnesses was the defendant, who admitted having supplied deceased with morphine injection for thirteen years. Defendant says this was supplied on a doctor's prescription. Morphine is a poison in Part I. of the Schedule, and the sale should be entered in a book kept for that purpose. Defendant admitted that he had not done that, his reason being that it was a prescription of a doctor dispensed by him. Counsel said he contended that this sale did not

come under the exemption for prescriptions. Defendant ought never to have supplied deceased at all unless he filled up the necessary details in his poison-book. In reply to a remark from the Magistrate, Mr. Barker said he had never seen a prescription without an address on it. Mr. Kirby, for the defence, submitted that his client had only supplied the morphine on a doctor's prescription, and had carried out all the requirements of the Act in labelling the bottle with the word "poison," the ingredients, and the name and address of the seller, and entering it in his prescription-book. Mr. Kirby pointed out the distinction in the Act between a sale in the ordinary sense and a dispensed prescription. There was nothing on the prescription stating that it was not to be repeated, such as is required under the Defence of the Realm Act with regard to cocaine. If Parliament had intended that a chemist should make a fresh entry when repeating prescriptions, it would have been easy to have said so. Mr. Evans gave evidence, and the Magistrate said there was no question as to the defendant's *bona fides*. He had done nothing with a desire to conceal the fact that he had been supplying the poison to Hoggin. As regards the law, he was, of course, bound to accept the decision in the case of *Berry v. Henderson* so far as the legal aspect is concerned, but he did not think that the facts in the two cases were the same. There was no evidence in this case to show that the defendant had any reason to suppose that the initials "W. J." on the prescription were not those of a doctor, or that it was not a genuine prescription. The gist of the whole case was the construction to be put on Section 17 of the Act of 1868, which said that on every sale of every such article an entry must be made of the name of the person to whom the article was delivered or sold. There was the exception mentioned in the case, and the question was, When does a sale take place and when does the defendant dispense this particular medicine? The sale took place in 1917, and if it was said to be dispensed under a genuine prescription given in 1904 they were in this difficulty, that the Act must be at fault, because it is inconceivable that it could be intended that a sale could really go back to something like thirteen years. He was of opinion that the words "every sale of such article," etc., taken in their ordinary sense, referred to every sale connected with the prescription. That being so—although he had very considerable doubt in the matter—he came to the conclusion that there should be a separate entry of what had been supplied. He considered that an offence had been proved, but he would be very glad to state a case for the consideration of a higher Court. He should impose a fine of 3*l.*, with five guineas costs.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

WALLASEY CHEMISTS, LTD. (P.C.).—Capital 1,000*l.* Objects: To carry on the business of chemists, druggists, dentists, opticians, etc. R.O., 123 Rake Lane, Liscard, Wallasey.

F. A. REDDALL, LTD. (P.C.).—Capital 750*l.* Object: To take over the business of a drug-store proprietor carried on by F. A. Reddall at the Pharmacy, Five Ways, Cradley Heath.

ASSOCIATED CHEMICAL AND GENERAL INDUSTRIES, LTD. (P.C.).—Capital 2,000*l.* Objects: To carry on business as coal- and oil-mine owners, distillers of tar and the products thereof, chemists, druggists, etc. R.O., 125 High Holborn, London, W.C. 1.

INTERNATIONAL SPONGE IMPORTERS, LTD.—The directors recommend a final dividend of 4 per cent. on the ordinary shares in respect of the six months ended December 31 last, making 6 per cent. for the year.

T. & H. SMITH, LTD.—The annual report for the year ending September 30 states that the balance at credit of profit-and-loss account, after deducting interim dividends on the preference and ordinary shares, and setting aside various sums in terms of Article 120 of the articles of association, and including the balance of 2,105*l.* 10*s.* 7*d.* brought forward, is 17,572*l.* 12*s.* 11*d.*, which the directors recommend should be applied as follows: In paying the dividend on the preference shares in respect of the half-year to September 30, 1917 (1,625*l.*); in paying a final dividend for the year of 10 per cent. on the ordinary shares, free of tax (6,500*l.*); in setting aside—under the authority of Article No. 87 of the company's articles of association—to be allocated as a bonus, 3,000*l.*; in placing to general reserve fund (making that fund 35,000*l.*) 5,000*l.*; leaving a balance of 1,447*l.* 12*s.* 11*d.* to be carried forward.

Birth.

SKINNER.—At 87 Cornhill Terrace, Leith, on January 27, the wife of James A. Skinner, chemist and druggist, of a daughter.

Marriages.

MORRIS—REES.—At Capel Gower, Swansea, on January 17, by the Rev. R. S. Rogers, assisted by the Rev. J. E. Davies, Skone Rees Morris, chemist and druggist, Goyerton, to Annie E. Rees, only daughter of Mr. W. D. Rees, Swansea.

O'CARROLL—BEHAN.—At the Pro-Cathedral, Marlborough Street, Dublin, on January 23, Charles Rubert O'Carroll, Ph.C., The Medical Hall, Gorey, to Mary, daughter of the late Michael Behan, Kilrush House, co. Kildare.

WRIGHT—UPRIGHT.—On February 3, Ralph Wright, pharmacist, Ryton, to Kelsey, younger daughter of the Rev. T. K. Upright, The Manse, Milfield.

Deaths.

ABRAM.—At Fountayne Street, Goole, on February 3, Mr. Arthur William Abram, Ph.C., aged thirty-five. Mr. Abram's apprenticeship was served in Goole with Mr. W. H. Buck, Ph.C., and after gaining other experience he returned to the town and opened in business in Aire Street. He leaves a widow and two children.

DICKENSON.—At Mansfield, on January 30, suddenly, Mr. Joseph Frederick Dickenson, chemist and druggist, aged forty-three. Mr. Dickenson was a member of the Notts Pharmaceutical Committee and of the Forest Lodge of Freemasons.

FOUGERA.—At 321 Argyle Road, Flatbush, U.S.A., on January 11, Mr. Edmond Fougere, proprietor of the Fougere chemical laboratories in South Brooklyn, aged sixty-one. Mr. Fougere was well known as an importer of French and other foreign proprietaries, his father founding the house. Mr. Fougere was educated at the Polytechnic Institute and the College of Pharmacy in Manhattan, and later studied at the Sorbonne in Paris.

GREEN.—At 10a Hervey Way, Finchley, London, N., on January 27, Mr. Edmund Robert Green, chemist and druggist, aged thirty-three.

HUNT.—At Hampton House, Wood Green, Wednesbury, on February 4, Mr. William Hunt, aged eighty-eight. Together with his brother, Mr. Hunt founded a chemical manufacturing business, which was eventually merged into that of Mr. Alexander Chance, and is now famous under the style of Chance & Hunt, Ltd. Mr. Hunt was of a philanthropic nature, and was popular locally, though not taking any part in public affairs. He is survived by a widow and family.

TAAFFE.—At 70 Great James Street, Londonderry, recently, Mr. Henry Taaffe, M.D., Ph.C. Dr. Taaffe went to Londonderry as manager for James McCaul & Co., chemists, and afterwards studied medicine. He was proprietor of chemist's establishments in Strand Road and Magazine Street, retiring a few years ago owing to failing health.

WILLMOTT.—On January 31, after an operation, Mr. Alfred Wade Willmott, Ph.C., Tollgate House, Mount Road, Hastings.

Died on Service.

CAPPELL.—At a base hospital; recently, the Rev. James L. Cappel, youngest brother of Mr. Robert Cappel, chemist and druggist, Great Western Road, Glasgow.

GRIFFITHS.—Private George L. Griffiths, East Lancashire Regiment, has been killed in action, aged twenty-one. Prior to joining the Forces he had been with Weston & Co., chemists, Lever Street, Bolton, and with Waller & Riley, Ltd., chemists, Bolton.

HOLLAMBY.—Wireless-operator Edward Hollamby went down with his ship during the recent engagement at the entrance to the Dardanelles. Prior to entering the Service he was with Mr. J. W. Stainer, Ph.C., Sandgate Road, Folkestone.

JONES.—Sergeant T. H. Jones, Shropshire Light Infantry, has been killed in action. At the outbreak of war Sergeant

Jones was on the Oswestry staff of Boots, Ltd., and was then mobilised in the Territorials.

MCCONNELL.—Lance-Corporal Joseph McConnell, Border Regiment, is reported killed on service. Lance-Corporal McConnell, who in civil life was with Cooke, Tweedale & Lindsay, Ltd., manufacturing chemists, Ancoats, had been missing since April 1917.

MILLINGTON.—Driver Fred Millington, R.A.M.C., has died on service in East Africa, from enteric fever, aged twenty-three. Prior to joining the Forces he was with J. Waterhouse & Co., Ltd., wholesale druggists, Church Street, Ashton-under-Lyne.

TURNER.—Corporal Alan Norman Turner, Royal Irish Regiment, younger son of Mr. J. Tyrie Turner, Ph.C., The Medical Hall, Carrick-on-Suir, has been drowned at sea through enemy action.

WILSON.—Private R. Wilson, Royal Scots, has been killed in action. Till he joined the Forces Private Wilson was with Raimes, Clark & Co., Ltd., Edinburgh.

Personalities.

MR. R. LORD GIFFORD, J.P., Ph.C., has been re-elected a Vice-President of the Blackburn Chamber of Trade.

A NATURALISATION CERTIFICATE has been granted to S. Medofski (Russian), 249 Cheetham Hill Road, Manchester, research chemist.

MR. JOHN LAURIE, chemist and druggist, Lytham Road, Blackpool, has been elected a Vice-President of the Blackpool Tradesmen's Association.

ALDERMAN C. J. WAIN, Ph.C., Red Lion Square, Newcastle-under-Lyme, has been appointed Director of Ceremonies of the Sutherland Masonic Lodge of Unity, of which he is a Past Master.

MR. J. J. BOOTH (Booth & Co., wholesale druggists), Idle, a leading member of the Council of the Bradford Chamber of Trade for some years past, has been elected a Vice-President of the Chamber.

AT THE LAST MEETING of the Society of Glass Technology, held at Stourbridge, Mr. W. A. Whatmough, B.Sc., Ph.C., A.I.C., gave an account of a new blowpipe in which pre-heated gas is employed. A demonstration of the instrument was given.

WALLER & RILEY, LTD., chemists, Bolton, have an announcement in the advertisement pages of the "Bolton Journal" drawing attention to the visit of the tank "Egbert" to the town, and stating that War Certificates may be purchased at their Bradshawgate premises.

SIR JESSE BOOT, in an interview reported in the "Daily Chronicle," states that conditions of life are infinitely better now than they were when he was a boy. The transformation which has taken place is complete, but further improvements will be made. There is room for this, but it must be the improvement of natural growth.

MR. T. R. PERKINS, pharmacist, Henley-in-Arden, has been instrumental in securing for the Guild House of his town some interesting relics of the Stratford-on-Avon and Moreton-in-Marsh railway, now being dismantled for the sake of its metal. The line was opened in 1826, and was worked for many years by horse traction. Mr. Perkins recently began his twenty-first year of business at Henley.

LIEUTENANT M. L. DANIELS, who in pre-war days was a pharmaceutical journalist, has been interviewed for a North of England paper on the subject of nitre cake, "O. C. Swills," and other waste products now utilised industrially. Lieutenant Daniels, who is in charge of a nitre-cake depot, points out that until 1915 as much as 1*l.* per ton was paid for the removal of this salt as waste. At the present time the production amounts to about 25,000 tons a month, the sulphuric-acid content being estimated as 30 per cent.

Gazette.

Partnerships Dissolved.

GLEDHILL, R., and PHILLIPS, J. W., Daisy Hill, Dewsbury, chemists and druggists, under the style of R. Gledhill. **STILES, M. H., and STILES, H. W.,** 2 Frenchgate, Doncaster, pharmacists, under the style of M. H. Stiles & Son.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, FEBRUARY 9, 1918

This Supplement is inserted in every number of The Chemist and Druggist.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—BANKS OF THE THAMES.—Vendor retiring; very old-established Business; Dispensing and Retail; held by vendor upwards of 40 years; returns, present rate, about £2,500; net profit between £500 and £550; the premises are situate in the centre of town; there is an excellent opening to extend the turnover; further particulars on application.

2.—LONDON, S.W.—To be sacrificed for £500, Stock and Fixtures, having recently been valued at £750; returns between £1,900 and £2,000, and steadily increasing; attractive shop and good residence; situate in pleasant residential locality.

3.—LONDON, N.—Ready-money Retail, with small Wholesale connection; corner shop, situate in busy market neighbourhood; the business has been much neglected; returns, under management, £1,793, at good prices; scope for development under personal supervision; vendor retiring; no reasonable offer refused.

4.—NORTHERN SUBURB.—Good-class Business; excellent situation; returns, under Manager, between £1,100 and £1,200; gross profit £446 and net £300; attractive, well-fitted shop, with comfortable residence; vendor's own property; new lease; very little opposition; price £450, or simply the valuation of stock and fixtures.

5.—CITY (15 minutes from).—Established Business; Retail Prescribing and N.H.I. Dispensing; returns last year £1,000; net profit, after paying every expense, £386; proof given; large shop with comfortable residence and private entrance; rent £50 yearly; price £600.

6.—BANKS OF THE THAMES.—Very old-established Business; held by Vendor many years, now retiring; returns about £1,100; profits above the average; first reasonable offer will be accepted.

7.—KENT (Suburban).—Ready-money Business, situate in close proximity to Railway Station; returns £900; no N.H.I. Dis-

pensing; comfortable house and garden; about £450 required, or £50 and valuation; part payment.

8.—MANCHESTER.—For disposal, through death, General Retail Business; returns about £1,000 yearly at fair prices; double-fronted shop, with residence attached; rent £40; price £400; estimated value of stock and fixtures or valuation terms entertained.

9.—HANTS.—Mixed Country Business; established 100 years; returns £800; net profit £300; large double-fronted shop; comfortable residence; price £450.

10.—SOUTH COAST (large town).—Select good-class Business, admitting of great extension under modern management; returns, present rate, £1,600; price about £1,000, or near offer; stock and fixtures estimated at £900.

11.—LEEDS.—Good-class Retail and Dispensing Business; established many years; returns between £900 and £1,000; profits good; large residence with private entrance; vendor will accept valuation of stock and fixtures.

12.—BRISTOL CHANNEL.—Good-class Retail and Dispensing Business, situate in popular health resort; returns average over £1,200; net profit, after all expenses paid, £300; rent £55; price about £950, estimated value of stock and fixtures.

13.—SOUTHERN COUNTY.—Retail, Dispensing, and Prescribing Business; practically no patents sold; returns £500 at good prices; rent £30 yearly; price £250.

14.—PARTNERSHIP.—A Partner required in a very old-established Business, situate in a Home County; returns last year exceeded £4,000; excellent opening for an energetic man to succeed to the whole within a few years; valuation terms entertained; a portion of the purchase money could remain.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account; by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

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BUSINESSES FOR DISPOSAL

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LONDON, N.—Shop, d.f. Chemist's; completely and well fitted; established over 20 years; chance to pick up good business cheap; rent £60. Owner, 160 Stoke Newington Road, N.

LONDON, N.W.—Two genuine Businesses, together or separately, in good locality; fullest investigation given; gross receipts about £1,300 each; particulars on application, with reference. Apply 23/11, Office of this Paper.

MANCHESTER (Suburb).—Old-established Chemist's Business; shop and residence; rent £40; late proprietor dead, widow retiring; returns £1,000; cash business; full investigation; stock and fittings about £400, or valuation; early sale desired; low price will be accepted. Apply William Walker, Solicitor, 20 Cross Street, Manchester.

MIDLANDS.—Splendid Business, increasing weekly, on tramway route; rent and rates only 8s. per week; two bedrooms and attic above shop, cellar and large store at back; cash takings over £20 per week; Insurance scripts last year over 6,000; only a few yards from large new war industry factory, nearly completed; good reasons for selling; part purchase price could remain if desired. Apply 23/5, Office of this Paper.

YORKSHIRE (West Riding).—For Sale, as a going concern, in consequence of the death of owner, old-established Chemist's Business and N.H.I. (Veterinary specialities); returns about £1,000; full investigation. Apply 258/44, Office of this Paper.

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2.—KENT (Suburb).—Good progressive Middle-class Business; no booking; returns £1,850; net profit £450; books properly kept; convenient house; handsome Pharmacy, heavily stocked; price £50 and valuation; about £1,000; strongly recommended.

3.—NORTH WALES COAST.—Unopposed, sound Light Retail, returning £700; net profit £250; up-to-date Pharmacy, well-fitted and stocked; price £300 or valuation.

4.—LEICESTERSHIRE.—Sound Cash Drug Store in small town; returns average £630; net profit £200; good house and Pharmacy, well stocked; price £300 or valuation.

5.—WEST END.—High-class Dispensing business in prominent position; returns average over £2,000; net profit £620; excellent chance for two smart men; price for quick sale £950, or small goodwill and valuation.

6.—LONDON, S.W. (Good Residential Suburb).—Sound, progressive, good-class Business; returning over £1,900; main road position; good residence; attractive Pharmacy; well stocked; price for quick sale £500; only requires seeing.

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8.—ESSEX (Suburb).—Cash Retail and Prescribing; no N.H.I.; returns £17 to £18 weekly; net profit £7 a week clear; modern Pharmacy; well stocked; price about £500.

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AMALGAMATION.

AMALGAMATION.—Old-established and prosperous firm of Wholesale Manufacturing Druggists are prepared to consider amalgamation with another high-class firm. Apply, in strict confidence, principals or solicitors only, to 250/14, Office of this Paper.

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Address 256/34, c/o "The Chemist & Druggist,"
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FOR SALE.

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MIXER fitted for power; gunmetal blades and body; will mix 70 to 80 lb. consistency of putty; little used; accept £35. Also 3 to 4 h.p. "Crossley" Gas Engine, complete; tube ignition; a first-class engine; £35 10s. Apply 16/32, Office of this Paper.

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20 WINCHESTERS Inf. Senegae Conc. 1. to VII., 3s. per lb.; whole or part; carriage paid; cash with order; 8 oz. sample for 1s. 8d. John Noble, 17 Owens Row, London, E.C. 1.

7 OZ. Butyl Chloral Hydrate, 10s. oz.; 1 oz. Guaiacol Carbonate, 9s. 6d. oz.; 3 1/2 oz. Ol. Lupuli, 7s. drachm; 1/2 oz. Atropin Sulph., 20s.; 1 oz. (Av.) Otto Rose, 103s.; 10 oz. Ol. Lavand Mitoham, 7s. 6d. oz.; 3 or 4 oz. Veratrica, 12s. oz. A. Stooke, 166 High Street, Gillingham, Kent.

AGENCIES.

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FREDERICK ARKHURST, General Drug and Chemical Dealer, Secondee, Gold Coast, desires to get in touch with Manufacturing Chemists, Wholesale Druggists and others desiring representation in the Colony; catalogues and wholesale price-lists, including business terms, will be appreciated. Bankers: Colonial Bank, Secondee.

IRELAND.—A well-established Agency and general representative Company is open to accept further representations for all Ireland for Proprietary preparations, heavy and fine Chemicals, and Sundries; excellent connections and active personal representation. Also open to negotiate for purchase of existing stocks or spot lots of any goods required for cross-Channel markets. Replies to 11/25, Office of this Paper.

REPRESENTATIVE with central offices in London, Argentine, Uruguay, and Paraguay wishes to take sole agencies for London, or sole export agencies for South America. Apply, with full details, to "R." (249/64), Office of this Paper.

SITUATIONS OPEN.

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RETAIL.

CARDIFF.—Qualified Assistant required, capable of management. State age, experience, references, and salary required (outdoors). Duck & Son, Chemists, Cardiff.

CHESHIRE.—Good Assistant, definitely ineligible for Army, unqualified, wanted for good-class business in centre of country town; easy hours; good salary; outdoors; no Sundays. Young, Chemist, Nantwich.

COLWYN BAY.—Junior Assistant required; good-class Dispensing experience; either sex. Neill, Chemist, Colwyn Bay.

DARLINGTON.—Lady Assistant required; qualified or unqualified. Apply Waters, Chemist, Darlington.

EAST SUFFOLK.—A lady Assistant for Dispensing and Counter work; mixed business in country town; business consists of N.H.I. Dispensing, General Retail, with small Photographic and Tobacco trade; hours 8.30 to 7.30, Saturdays 8.30, shop closed from 1 p.m. to 2 p.m. each day for dinner; would entertain application from a male Assistant if free from military service. State experience and salary required, Hardy, Leiston, Suffolk.

EXETER.—Wanted (at once), reliable Assistant for Exeter. Please state age, experience, with references and salary asked, Hinton Lake & Son, Ltd., 41 High Street, Exeter.

GLOUCESTER.—Assistant required (male or female); outdoors; good-class Dispensing and Light Retail. State full particulars, with salary, to Ward & Woodman, Gloucester.

HULL.—Wanted, Assistant (outdoors); used to good-class Retail and Dispensing business. Send full particulars, age, reference, and salary required, S. T. Kirtton, Chemist, 53 Savile Street, Hull.

KILBURN.—Part-time Assistant (gentleman); any reasonable hours arranged to suit applicant. R. R. Pratt, 94 Canterbury Road, Kilburn.

LANCASHIRE.—Young lady, with a little experience of Counter work and Dispensing, required for Light Retail and Dispensing business; comfortable berth; progressive salary. "Lancs" (20/143), Office of this Paper.

LIVERPOOL.—Junior Assistant in brisk city business; 3 kept; must be ineligible or discharged. State age, height, salary (outdoors), and references (photo if convenient), John Bain, 4 Quadrant, Lime Street, Liverpool.

LONDON (near).—Chemist, having a high-class business, requires capable young lady Assistant; must be a good Dispenser; permanency. "H. S." (20/142), Office of this Paper.

LONDON.—Wanted for good Dispensing and Retail business, a capable and experienced Assistant; salary £3 10s. weekly. Apply "M. V." (23/18), Office of this Paper.

LONDON, E.—Unqualified Assistant required; comfortable and permanent berth. State age, whether married, salary required, and when at liberty, "B. R." (20/144), Office of this Paper.

LONDON, N.—Wanted, a quick, reliable Assistant, accustomed to quick cash business and putting up stock, also a little N.H.I.; salary to start, £3 to £3 10s. per week, according to ability; good prospects for suitable man (or lady), who must be ineligible or over age. Apply 22/15, Office of this Paper.

LONDON, S.E.—Qualified Manager for Dispensing and Light Retail; also Assistant (male or female). Apply, with full particulars, to H. W. Neathcoat, 60 Denmark Hill, London, S.E. 5.

LONDON, S.E.—Unqualified Assistant required, either sex, for good-class business. Apply, with full particulars, to 23/2, Office of this Paper.

LONDON, S.W.—£2 5s. per week and unfurnished rooms over Pharmacy; experienced Assistant wanted early in March; lady or gentleman; brisk Counter trade, and about 50 N.H.I. prescriptions a day. Apply "X." (22/26), Office of this Paper.

LONDON, W.—Assistant required (outdoors) in a good-class Dispensing and Family Retail; unqualified; liberal and progressive salary to a suitable gentleman. Also lady Dispenser required, with some Counter experience, for Pharmacy in the S.W. district near Tube Station. State salary expected to "Optimist" (22/22), Office of this Paper.

LONDON, W.—Savory & Moore, Lancaster Gate, require a lady Dispensing Assistant (qualified); outdoors. Full particulars to the Manager.

LONDON, W.—Required (now or shortly), a capable, businesslike Assistant, about 30, as first hand; must be of good appearance and address, and a first-rate Counterman; outdoors; permanency. W. V. Wright, 25 Broadway, Hammersmith.

LONDON, W.C.—Assistant wanted, accustomed to good-class Retail and Dispensing, or a part-time one would do if able to give a fair amount of time; outdoors. Burden & Co., 41 Store Street, Bedford Square.

MANCHESTER DISTRICT.—Unqualified lady Assistant (outdoors) required for good-class Retail and Dispensing business; Counter experience essential. Apply, stating usual particulars as to experience, salary, etc., to T. & W. Woodruff, Chemists, Cheadle, Cheshire.

MIDLANDS.—Wanted, qualified lady or gentleman to take charge of Branch. Particulars and salary required to Manager, Wednesfield Drug Stores, Rookery Street, Staffs.

MIDLANDS.—Qualified Manager required for a small business; easy berth and a comfortable home. Reply, stating full particulars and salary, 20/15, Office of this Paper.

RUGBY.—An Assistant (male or female) for Dispensing and Laboratory, with experience; good references. Chamberlain, 3 Market Place, Rugby.

SHEFFIELD.—Lady Assistant (Dispensing department); hours 9 to 7, Thursdays 1, Saturday 8.30. State age, height, experience, qualification, and salary required (photo if possible), G. T. W. Newsbome, Ltd., 27 High Street, Sheffield.

SOUTH OF ENGLAND; Assistant required (male or female); free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

WEST OF ENGLAND.—Vacancy shortly for reliable man, willing to assist generally in good-class business; must be familiar with Dispensing and be an efficient Counterman; moderate hours; commencing salary £4 per week, with rooms; a fair opportunity for a good worker seeking permanency. Apply 23/10, Office of this Paper.

WESTON-SUPER-MARE.—Wanted, an Assistant for Light Retail and Dispensing. Please give full particulars, stating salary required (outdoors), to Ernest Widgery, Pharmaceutical Chemist.

WORTHING.—Wanted, a capable Junior Assistant (lady or gentleman) for good-class Dispensing and Retail business. Apply, with full particulars and salary required, to W. Aston, Pharmaceutical Chemist, 6 Burlington Terrace, Worthing.

YORKSHIRE (West Riding).—Unqualified Assistant of good experience; must be over military age; comfortable permanency. State age, whether married, and salary required, "H. D." (20/140), Office of this Paper.

A QUALIFIED Assistant required for country business; easy hours and light duties; suitable for one partially disabled, or seeking semi-retirement. Full particulars, Shearman, 17 High Street, Haverhill, Suffolk.

A PERMANENCY in a popular seaside resort (Lancashire); unqualified; ineligible; good salary, with prospects to suitable man; chiefly Counter; tactful Salesman, temperate and trustworthy; can wait a few weeks. Apply, with full particulars, and photo if possible (to be returned), to "Chemicus" (22/21), Office of this Paper.

AT once, Pharmacist, resident or non-resident, lady (qualified) or gentleman, ineligible, for Richmond Hill Pharmacy. Apply Rex Blanchford, 76 High Street, Wimbledon, S.W. 19. Telephone, 543.

ASSISTANT wanted (two kept) for a branch; lady or gentleman; ineligible for military service; comfortable berth. State age, salary (outdoors), experience, and references, Bevan, Pharmacists, 124 High Street, Colchester.

ASSISTANT wanted, male, outdoors, with good general knowledge; accurate Dispenser; some N.H.I.; close 1 o'clock Wednesdays. Apply James Lloyd, 125 St. John's Hill, Clapham Junction, London, S.W.

ASSISTANT, male or female, required; a good Counter hand with experience; state salary required (outdoors) and all particulars. Apply The Prosser Roberts Co., Pharmaceutical Chemists, 13 Church Street, Camberwell, London, S.E. 5.

ASSISTANT Manager (unqualified) required shortly, to live on premises; good-class business; pleasant neighbourhood, within 20 miles from town; West district; a good opportunity for a man requiring a permanent home; knowledge of Dentistry an advantage. Apply 21/37, Office of this Paper.

COMPETENT Junior Assistant required; ineligible; give full particulars, height, age, references, and salary required; enclose photo, which will be returned; good agricultural business; short hours, no Sunday duty. D. Bell Kidd, Highbridge, Somerset.

DISPENSER wanted (at once) at the Royal Westminster Ophthalmic Hospital, King William Street, Charing Cross, W.C. 2. Full particulars can be obtained on application to the Honorary Secretary.

DISPENSER.—Thoroughly experienced man (ineligible and not over 45) required for good-class Dispensing; Minor qualification; lady not objected to; hours 8 to 6, Wednesdays till 1, no Sunday duty, live out. State commencing salary required, references, and fullest particulars, Manager, Junior Army and Navy Stores, Ltd., Union Street, Aldershot.

DISPENSER, part-time, male or female, with Counter experience. Apply, personally if possible, Cartwright, 69 Leytonstone Road, Stratford, E. 15.

DISPENSER required; either sex; qualified preferred; easy hours. Apply personally, between 11 and 1, Wray, Chemist, 8 High Holborn.

DISPENSER (female) wanted at the Eastern Fever Hospital, Homerton Grove, Homerton, E. 9 (under the Metropolitan Asylums Board). The person appointed must be a Licentiate of the Society of Apothecaries or registered under the Pharmacy Acts (Major or Minor certificate of the Pharmaceutical Society); those holding only the Assistants' certificate of the Society of Apothecaries are not eligible. The person appointed will be required to perform certain clerical work for the Medical Superintendent, and a knowledge of typewriting will be an advantage; salary of £120 per annum, rising by £7 10s. annually to £180 (no increment until after four years' service), with a war bonus of 5s. 4d. per week. Applications must be made on forms obtainable from the Clerk, Metropolitan Asylums Board, Embankment, E.C. 4, to whom they must be returned as soon as possible.

EVENINGS, London, N.W., for Dispensing and Counter, from about 6 to 8. Usual particulars to Brickell & Jones, M.P.S., F.S.M.C., 295 High Road, Brondesbury, N.W. 6.

GOOD opening for a reliable, competent Assistant in good middle-class business in London (permanency); reasonable hours, no Sunday duty, or N.I.; salary £156 per annum and commission. Write fully (in confidence) to 22/23, Office of this Paper.

HOSPITAL FOR CONSUMPTION, BROMPTON, S.W. 3.—Wanted (at once), Dispenser (male); Minor qualification essential; lunch provided. Applications, stating age, experience (Hospital or otherwise), and salary required, accompanied by two recent testimonials, to be addressed to the Secretary.

IMMEDIATELY.—Experienced Assistant for Dispensing; must be accustomed to first-class business; outdoors; easy hours; good salary. Apply W. Ive, 115 Gloucester Road, South Kensington.

LADY Dispenser wanted, Minor qualification, to assist in Light Retail and Dispensing business; hours 9 a.m. to 7 p.m., half-day Wednesday, Sunday duty one hour; within short distance of London. Apply, stating full particulars, photo if possible, 16/26, Office of this Paper.

LOCUM or Temporary Manager (immediately) for Gainsborough, to manage and supervise quick cash trade for several weeks, owing to prolonged illness of proprietor; suitable man would be well treated. Apply, giving full particulars, and earliest date at liberty, to F. W. Boon, Chemist, Kirton-Lindsey, Lincolnshire.

MANAGER qualified and part-time Assistant unqualified required for London, N. Apply 22/19, Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

QUALIFIED Assistant wanted (immediately) for Retail and Dispensing, N.H.I. State wage and full particulars in first letter (ineligible for Army), Exors. H. Halstead, Chemist, 53 & 55 High Street, Rishon, near Blackburn.

QUALIFIED Assistant Manager wanted (immediately); good-class business; N.H.I.; excellent references required. Full particulars in first letter, "North" (22/24), Office of this Paper.

QUALIFIED Manager wanted for country business; West Riding; comfortable berth; discharged or elderly man. Apply, stating terms, to 22/30, Office of this Paper.

QUALIFIED young man, single and rejected, required immediately; permanent berth, with good prospects of advancement. State age, salary required, and when at liberty, "H. L." (20/41), Office of this Paper.

QUALIFIED and unqualified, energetic, either sex, Metropolitan working-class districts, to manage Branch; exceptional opportunities for rapid advancement; time allowed for research work; give full particulars, including references and salaries required. Apply 24/15, Office of this Paper.

RELIABLE qualified Assistant required for good-class business in S.E. London suburb; must be ineligible for military service. Kindly state full particulars of experience, etc., and salary expected, to 23/200, Office of this Paper.

HILL HOUSE WAR HOSPITAL.

REQUIRED, duly qualified Dispenser for the above. Applications, stating age, qualifications, and salary required, accompanied by copies of three recent testimonials, to reach me not later than the 16th instant.

By Order,
CHAS. TAYLOR, Clerk.

Board Room, Minster, near Ramsgate,
5th February, 1918.

SENIOR unqualified Assistant wanted for high-class Dispensing and Family business; must be ineligible, smart Counterman, good Dispenser, able to dress window, and able to be left in charge; a permanency to right man. Give application by letter, giving full particulars, age, height, salary required, to Mr. Toyne, 26 High Street, Putney.

SMART Counterman wanted (unqualified), with knowledge of Photography and Dispensing; must be ineligible for military service; good references essential. Please apply, with usual particulars, to 23/160, Office of this Paper.

UNQUALIFIED, ineligible, for Light Retail and Photographio trade. Apply, stating full particulars, to Jno. H. Smith & Co., Chemist, Newark.

UNQUALIFIED Assistant, male or female, for Dispensing and Counter; must be competent and reliable. Apply C. Dickinson, 119 South End, Croydon.

UNQUALIFIED Assistant; lady or gentleman; outdoors. State age, height, experience, salary, and give references in first application, to F. Goulding Hopkins, Chemist, Bilston, Staffs.

WANTED, lady to manage small Business in Paddington district; very light duties; business been neglected; state wages required, qualification if any, and further particulars. Apply 20/5, Office of this Paper.

WANTED, qualified Assistant for mixed trade and small Dispensing; short hours; middle-aged not objected to; a thoroughly permanent situation; near Sheffield; state salary; good references. Apply 20/20, Office of this Paper.

WANTED, an Assistant, over military age; whole or part time; if part time, must be afternoons and evenings on Monday, Wednesday, Thursday, and Saturday. Enness, Chemist, 91 High Street, Wandsworth, S.W. 18.

WANTED, young lady as Assistant or Improver. Apply, with full particulars, salary, etc., Henderson, Pharmacist, Llanelly.

WANTED, lady Assistant, Apothecaries' Hall qualification, for Light Retail and Dispensing. Apply, stating experience, references, and salary required (outdoors), to Horniblow & Son, Chemists, 29 Sidbury, Worcester.

WANTED, young lady, of smart appearance, for Stock, to help at the Counter and able to dress a window; previous experience necessary. Apply Quibell, The Station Pharmacy, Golders Green, N.W. 4.

WANTED, a gentlemanly Assistant, thoroughly reliable and competent (with a knowledge of Homoeopathy preferred, but not essential); to a good man wishing a permanency, or with a view to succession, this is a good opportunity. Apply, with particulars as to experience, etc., to Auckland, 96 Camden Road, London, N.W. 1.

WANTED, experienced Dispenser and Bookkeeper; pleasant place; Reading district; no Sunday work; good references required. Dr. Young, Meadowside, Twyford, Berkshire.

WANTED, lady Dispensers, holding Minor Pharmaceutical certificate, for Military Hospitals in France and Salonica; able to serve for one year or duration of war. Apply Secretary, Joint Women's V.A.D. Committee, Devonshire House, Piccadilly, W. 1.

YOUNG lady, residing in Croydon, Wallington, or Sutton districts, required for high-class Chemists' business; experience essential; comfortable and permanent berth. "R. T." (20/14), Office of this Paper.

WHOLESALE.

BIRMINGHAM.—Assistant, unqualified (ineligible for Army), for old-established Wholesale and Retail business; hours 8.30 to 7, Saturdays 1 o'clock; comfortable berth for energetic worker. State age, salary, references in first letter, 20/16, Office of this Paper.

LONDON.—Wanted, qualified Pharmacist of good education, with thorough knowledge of Drugs, for Government office; men eligible for military service need not apply. Address A.M.D.3, Box 875, Willings, 125 Strand, W.C., giving particulars of previous experience, age, and salary required.

ALLEN & HANBURY, LTD., Bethnal Green, E. 2, require an intelligent young man for their Order department; must be able to read Drug orders readily, and be a quick and accurate worker. Application in own handwriting, stating age, experience, and salary required, to "F. L. D.," c/o above.

A n energetic and practical young man (ineligible) to take charge of small factory in Midlands; applicants should state age, past experience, and salary required; excellent opportunity for obtaining a sound permanent position with splendid possibilities. Apply 253/13, Office of this Paper.

C APABLE man required; young, ineligible, with plenty of energy; work consists of distributing orders to various departments, checking goods in despatch department, and preparing sheets for invoice department; must thoroughly understand the business, be systematic, get the most out of the staff, keep stock, and get vans away early; hours 8.30 a.m. to 6 p.m., Saturdays 1 o'clock; good salary to right man. Apply "P. & E." (23/161), Office of this Paper.

EXPERIENCED Counterman required for Wets and Drys; good wages to reliable men. W. M. C., Burgoyne, Burbidges & Co., Ltd., East Ham, E. 6.

FITTER, Surgical; one having good knowledge of Orthopaedic work; state experience and salary. Apply 250/23, Office of this Paper.

JUNIOR for Laboratory wanted at once; ineligible or over 26 years of age (protected occupation); West Riding of Yorkshire. Send references and experience to 18/7, Office of this Paper.

L ABORATORY man, able to make Ointments, Syrups, Pill Masses, etc., Wanted by London Export house; permanent. Write full particulars, stating wages, and if disengaged, to 257/59, Office of this Paper.

M ANAGER or Manageress; used to the manufacture of Belts, Trusses, Suspensory Bandages, Puffs, Water-Bottle Covers, Sponge Bags, etc. Apply "L." (240/2), Office of this Paper.

R EPRESENTATIVE for Lancashire and Yorkshire; ground for Antiseptics, Toilet lines, etc.; must have first class connection and be well known on the ground. Apply 257/52, Office of this Paper.

T RAVELLER wanted; must have good connection with Stores; Chemists, etc.; a share in business offered to smart gentleman with moderate capital. Full particulars to "Dainty," 43 Thurlstone Road, West Norwood, London, S.E. 27.

T WO young women as Checkers; must understand the business; work—checking and examining Drugs, Galenicals, packed goods, Patents, and Sundries; must be reliable. Apply "P. & E." (23/16), Office of this Paper.

T YPIST Junior required in Order department of City Wholesale Druggist. Apply by letter, giving full particulars and salary required, to 258/1, Office of this Paper.

W ANTED, a Drug Clerk; well up in ordinary office routine, and quick and accurate at extension of invoices. State experience and salary required, R. Sumner & Co., Ltd., 40 Hanover Street, Liverpool.

W AREHOUSE Assistant wanted; used to Wet and Dry orders. Apply by letter, stating age, experience, and wages required, to Hospitals and General Contracts Co., Ltd., 19/35 Mortimer Street, W. 1.

W AREHOUSE Assistant required, with some experience, for putting up Chemicals. Apply Hopkin & Williams, Ltd., 16 Cross Street, Hutton Garden, E.C. 1.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

P ARIS.—Capable Assistant, qualified preferred, for high-class Pharmacy; knowledge of French an advantage; no Sunday or night duty; outdoors. Replies, with photograph, experience, and references, to Parilond, 5 Rue de la Paix, Paris.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

[HOME.]

RETAIL.

A POTH. Hall lady Dispenser, good experience and references, requires post within daily distance of Hampstead. Reply 23/13, Office of this Paper.

A S Branch Manager; permanency; qualified; over age; married; Brighton or district preferred. State terms, etc., to 20/2, Office of this Paper.

A S Manager; 54; experienced; reliable and active; abstainer; disengaged. J. S., 139 Linthorpe Road, Middlesbrough.

A S Locum; permanency; excellent references and experience. Chemist, 17 Regent Square, W.C. 1.

A SSISTANT, 40, ineligible, unqualified, has four or five weeks vacant; good experience; Wholesale or Retail. Apply "W." (21/1), Office of this Paper.

A SSISTANT; unqualified, studying for examination; whole or part-time situation; 16 years' American and Colonial experience. Tuga, 11 Colville Place, Tottenham Court Road, W. 1.

A WAITING Locum or permanency; free March 1st; high-class Stores or private Pharmacy; qualifications, Brit. and Ire. Pharmaceutical Societies and Hall; exempt; experienced; energetic. Apply 20/3, Office of this Paper.

B RANCH Manager; 5 ft. 8 in.; qualified; young; ineligible; married; abstainer; good Salesman, Prescriber, and Window-dresser; experienced in Optics, Photography, and Agriculture. Apply, stating salary, to 13/35, Office of this Paper.

B RANCH Manager; qualified; good business man; good salary; over age; married. "Tonquin" (18/6), Office of this Paper.

D ISPENSING; chiefly Counter experience; not quite full time preferred; 43. "K.," 303 Southwark Park Road, S.E. 16.

D ISPENSER (woman), qualified, desires post, Doctor, Hospital, or Institution; Central London or N.W. district preferred; varied experience. "F. M. W." (22/18), Office of this Paper.

D ISPENSER; 25 years' experience; disengaged February 11th; £3. C. H. S., 19 Rockmount Road, S.E. 19.

E VENING employment; lady Dispenser, Bookkeeper; experienced; knowledge French and typing; disengaged. Apply 9/16, Office of this Paper.

F IRST-RATE Counterman and Dispenser; West-End, City, or S.W.; 9 until 6; shortly. Apply 22/37, Office of this Paper.

H ALL qualification; 10 years' experience, nearly, two shops; disengaged shortly. Apply "Lady," c/o Chemist, 4 Edwards Terrace, Kensington, W. 8.

I NELIGIBLE; experienced and competent Assistant, capable of managing high-class Retail Dispensing and Sight-testing business; permanency. Full particulars, West P. Laer, 15 Hawthorn Road, Bexley Heath.

LADY, 22, Pharmacy Student with some Hospital experience, desires post where experience in Dispensing can be obtained; in or near Manchester. Apply 16/29, Office of this Paper.

LADY (young) desires position; two years' Dispensing training; quick and accurate; short retail experience; Birmingham preferred. Apply, full particulars, to 22/32, Office of this Paper.

LADY Dispenser (Hall); good experience and reference from high-class Chemist; Doctor or Institution preferred. Apply "Z.," 5 Cedar Road, Cricklewood, N.W. 2.

LADY Dispenser requires post with Doctor in London or suburbs; preferably North district; Hall qualifications; can drive car. Apply E. Thompson, 2 Arkwright Road, Hampstead, N.W. 3.

LADY Dispenser requires post with Doctor, Hospital, or Chemist; no shop work; in London or suburbs; preferably North district; Hall qualifications; can drive car. Apply E. Thompson, 2 Arkwright Road, Hampstead, N.W. 3.

LADY, 21, unqualified, Matric, fluent French, nine months' experience, seeks short hours; Dispensing, Bookkeeping, Window-dressing; London. F., 134 Walworth Road, S.E.

LADY (qualified), two years' highest-class experience, requires position as Dispenser to Doctor or Chemist. Apply "C.," 279 Harrow Road, N.

LOCUM; over military age; abstainer; smart Counterman; unregistered. State terms, "Prompt," 20 Chapel Street, Uxbridge.

LOCUM or Assistant, experienced Counterman and Dispenser, 35 years, or manage small shop in country; good Prescriber, smart, and references, etc. Apply "Drugs," 33 Parr Street, Kendal, Westmorland.

LOCUM; qualified; 52; single; in- or out-doors; disengaged. "T. H." (22/39), Office of this Paper.

LOCUM; reliable; disengaged. Address "M.P.S.," c/o John Thompson, Ltd., Liverpool.

MANAGER with varied experience, both in high-class Dispensing businesses, also high-class Stores, desires position on the South Coast; preferably Eastbourne; excellent references. Apply "S. O. J." (18/23), Office of this Paper.

MANAGER (now open); London or prosperous seaside town, and preferably with house attached; advertiser desires post in a live business where energy and ability will be suitably appreciated; exceptional all-round experience; age 45; qualified; best references. Please reply fully, in strictest confidence, to "Status" (20/32), Office of this Paper.

MANAGER or position of responsibility by active, elderly Pharmacist; in or near London; unique experience. "James" (21/34), Office of this Paper.

MANAGER; London or provinces; qualified; all-round experience; reliable; abstemious; ineligible. "J. E." (22/27), Office of this Paper.

MANAGER, qualified, age 48, single, seeks situation as Manager; first-class experience and testimonials; country or London. Apply 22/40, Office of this Paper.

MANAGEMENT, with view to purchase; 35; qualified; good-class Retail, Dispensing, Photographic. Apply 23/12, Office of this Paper.

OXFORD.—Lady, 38, good appearance, three years, desires berth in Oxford. "H.," 266 Woodstock Road, Oxford.

PART-TIME; Saturday afternoons; Peckham or district; qualified; experienced. Apply 20/9, Office of this Paper.

PERMANENCY, London or near; temporary, any distance; qualified; disengaged; ineligible; competent, reliable, abstainer; excellent references. "Aspirin," 57 Brown Road, Walthamstow, Essex.

PHARMACEUTICAL Chemist, 28, married, ineligible, desires responsible post as Manager in good-class Pharmacy; South Coast preferred; several years' finest West-End, Store, and country experience; good salary and prospects essential; free one month from appointment. Apply 18/14, Office of this Paper.

POSITION as Departmental Manager, inspector, or control of staff; qualified; over military age, active, and industrious; references. Reply, with usual particulars, "Disengaged" (257/18), Office of this Paper.

QUALIFIED Chemist; 8 years' country, 10 large place West-End, 4 suburbs; prefer suburbs or near country. Apply 21/32, Office of this Paper.

QUALIFIED; over military age; disengaged; live over premises preferred. Apply 19/39, Office of this Paper.

QUALIFIED; elderly; single; easy hours; moderate salary (London). Apply 22/8, Office of this Paper.

QUALIFIED; single; rejected; first-class experience; disengaged; whole or part-time. Apply 22/9, Office of this Paper.

RELIEF; Sunday evenings and occasional evenings; years' experience; good references. Apply 18/12, Office of this Paper.

THREE or four evenings; good experience N.H.I., Counter. 135 Albert Road, N. 22.

UNQUALIFIED, 23, Grade III., nine years' experience Dispensing, Counter, and Photography, desires change; state salary offered and hours. Apply 21/2, Office of this Paper.

UNQUALIFIED; good Counterman; splendid Photographic experience, Window-dressing; slight knowledge of Dispensing; soon disengaged. Apply 21/38, Office of this Paper.

YOUNG lady, with five years' experience, requires re-engagement in good-class business. G. Bindon, 23 Hawley Square, Margate.

YOUNG lady, experienced, requires engagement in good-class Pharmacy in Handsworth district, Birmingham. Apply 20/40, Office of this Paper.

YOUNG lady, 25, practical experience, desires post, Chemist Assistant in Chester, end of March. Apply 20/25, Office of this Paper.

YOUNG lady desires post as Dispenser in good-class Pharmacy in or near Manchester; personal interview desired. Miss Holland, 12 Willow Tree Road, Altrincham.

£3 3s. and return fare; elderly; thoroughly reliable. "Locum," 3 Milton Market, Portsmouth.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

CHEMIST (unqualified) requires situation; age 53; North Staffordshire preferred; would like an outdoor occupation with a Wholesale firm. Apply 13/36, Office of this Paper.

EXPERIENCED Traveller at liberty; good connection with best Chemists and Stores all over the country, and thoroughly conversant with their requirements. J. P. B., 13 Fife Road, Warlington.

FOREMAN or Stockkeeper; Patents or Specialities; 18 years' experience; excellent references. Apply 24/7, Office of this Paper.

GENTLEMAN, after two years and eight months' active service, is desirous of representing Wholesale firm of Chemists and Druggists; intimate knowledge of Drugs; good address, undeniable references. Address H. J. Hammond, c/o London City and Midland Bank, Jersey, Channel Islands.

OFFICE, Showroom, or Representative.—Advertiser, ineligible, fully competent to undertake either of these positions; undeniable references; well known. Apply "C." (21/36), Office of this Paper.

MISCELLANEOUS.

ABOUT 100 gross 1 oz. Vials M.E.; best quality; in casks unopened from manufacturers; would split; not using this size bottle now. Also 3 gross 9 dozen Thompson & Norris double-faced Corrugated Cartons, made for 20 oz. bottles; not using this size bottle now. What offers? Can be cleared immediately. Bacterol, Ltd., 19-25 Brookside Road, Highgate, N. Telephone No., Hornsey 2616.

MACADAM & TUCKNISS, Stock and Share Brokers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone: 81 Lee Green.

Shares for Sale (free of commission, subject).—335 Allen & Henbury A Prefs., 20s.; 150 C Prefs., 19s. 9d.; 500 Farrow's Bank 10s. shares, 8s. 7½d.; 40 Parkes Drug Prefs., 15s. 3d.; 500 Lever 6½ D Prefs., 20s. 6d.; 100 Magadi Soda, 15s. 6d.; 180 G. B. Kent Prefs., 16s. 7½d.

Wanted (subject).—50 Salt Union Ord., 27s.; 50 Bryant & May Ord., 41s.

Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

SHOWCASES AND SHOP FITTINGS.—10 ft. mahogany and plate-glass fronted Serving Counter, 8 ft. Drug Fitting with drug drawers, lockers, and shelving; mahogany and plate-glass Perfumery Showcase and Desk; piano wall case mahogany 5 ft. Dispensing Screen and Counter, fitted with usual drawers, suitable for Munition Pharmacy; £47 10s.; ready for immediate despatch. **PHILIP JOSEPHS & SONS, LTD.**, 93 Old Street, London, E.C. 1.

5 CWT. of Absorbent Cotton Wool, interleaved, at 2s. 3d. per lb.; 5 cwt. Boracic Lint at 2s. 9d. per lb., and White Lint at 3s. 9d. per lb; supplied in 28 lb. bales; packing bales charged 1s. each; carriage paid on 56 lb.; cash with order. Apply The Primo Drug Co., 5 Bury New Road, Manchester.

ADVERTISERS wish to get into touch with a firm who is prepared to undertake to grind and dry 50 tons of Epsom Salts Crystals. Apply Box 497, Smiths' Agency, Ltd., 100 Fleet Street, E.C. 4.

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OPTICAL Goods for Sale, all first quality at pre-war prices; Lenses, Spectacles, and Folders, about £8 worth; approval deposit. "Opticus" (21/30), Office of this Paper.

MISCELLANEOUS.

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WANTED, Syr. Rhœadus; state quantities and price; urgently wanted. Smith, 20 Calabria Road, Highbury, N.

BROMO Paper wanted; two cases or smaller lots. State price, Miller & Co., Chemists, 42 Mount Ephraim, Tunbridge Wells.

TABLET Machines wanted, preferably Stokes; either Rotary or single punch machines. Apply 256/36, Office of this Paper.

THE "Veldt" Laboratory, Louth, England, are purchasers of surplus Glycerin in large or small quantities. Offers invited

WANTED, Bayer's Eumydrin and Nativelle's Granulee, 1-240 grain. State quantity and price, Colby, 101 Western Road, Brighton.

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TABLET Machines wanted, new or second hand, for immediate delivery. Send full particulars of make and price to 18/20, Office of this Paper.

Pharmaceutical Society of Great Britain.

Council-meeting.

THE MONTHLY MEETING of the Council was held at 16 Bloomsbury Square, London, W.C., on February 6, the President (Mr. E. White) in the chair. All the Councillors were present.

The minutes of the previous meeting were read and confirmed.

DEATH OF PROFESSOR REMINGTON.

THE PRESIDENT briefly referred to the death of Professor J. P. Remington, who paid a visit to England after the 1913 International Congress of Pharmacy at The Hague, and impressed all who met him as a cultured and travelled American.

ELECTIONS AND RESTORATIONS.

Thirty-five members and thirty-one student associates were elected. Three persons were restored to the Register, and twenty-four to the Society. Fifty-eight apprentices or students were reported registered since the last meeting.

RETIRING COUNCILLORS.

The Secretary reported that the following members of the Council retire in May next, pursuant to statute: Messrs. Campkin, F. J. Gibson, W. H. Gibson, Guthrie, Keall, Neathercoat, and Sargeant.

REGISTRAR'S ANNUAL REPORT.

The Registrar submitted his report for the year 1917. The following abstract embodies the chief features:

The subscribers to the Society are 822 life compounders, against 782 in 1916; 8,662 annual subscribers, against 7,810; 565 student associates, against 503; 402 apprentices or students were registered [412 in 1916]; 261 persons passed the Minor examination [284 in 1916]; and there were 18 successful Major candidates, an increase of three. The Register of Pharmaceutical Chemists contains 1,965 names [1,985 in 1916], and that of Chemists and Druggists 14,725 [14,873 in 1916]. The Register of Superintendents of Bodies Corporate contains 674 names [666 in 1916]. During the year 731 cases of alleged infringement of the Pharmacy Acts were investigated [853 in 1916], and in 152 cases [186 in 1916] proceedings were instituted; 2,201 shops were inspected [2,828 in 1916] to ascertain whether a certificate of qualification was exhibited.

The PRESIDENT, in commenting on the figures, remarked that the total membership (9,484) showed a satisfactory increase on the numbers for the two previous years (1915, 8,312; 1916, 8,592).

CORRESPONDENCE.

The Privy Council sent a copy of the Report of the Government Visitor on the Examinations held by the Society in Edinburgh during 1917.

The National Traders' Organisations Committee sent a communication inviting the Society to join in convening a Conference of representatives of all distributing organisations for the formation of a Council for the purpose of securing common action on questions affecting the trading community generally. The wording of the invitation pre-saged boredom; but when the long list of distinguished bodies to which the circular has been sent was found to end with "house painters and decorators and the Pharmaceutical Society of Great Britain," boredom was lost in Homeric laughter. The matter was referred to the General Purposes Committee.

The Essex Association wrote requesting the Council to find an efficient substitute for olive oil in B.P. liniments, in view of the shortage of this oil. A brief discussion arose, Mr. PARRY indicating that lard presented an equally serious problem. Mr. CUFF, on the other hand, pointed out that since action of the kind proposed had been taken, the shortage of foodstuffs had become more serious. The PRESIDENT remarked that the next move lay with the Government.

FINANCE COMMITTEE.

The financial report, read by the Secretary, is summarised as follows:

The receipts of the General Fund since the last Committee-meeting amounted to 2,356*l.* 13*s.* 8*d.*, made up as follows: Penalties and costs, 64*l.* 8*s.* 6*d.*; "Journal" and publications, 86*l.* 13*s.* 10*d.*; ground-rent, 103*l.* 2*s.* 6*d.*; school, 21*l.*; registration-fees, 88*l.* 4*s.*; subscriptions, 1,777*l.* 13*s.*; grant from Board of Education, 208*l.* 18*s.*; dividend on War Stock, 6*l.* 13*s.* 10*d.*, making, together with balance in hand, a total of 2,637*l.* 8*s.* 2*d.* After deducting payments ordered at the last meeting, a balance

of 582*l.* 15*s.* 6*d.* remained. The other balances were: Benevolent Fund (current account) 1,102*l.* 9*s.* 6*d.*, (donation account) 468*l.* 13*s.* 7*d.*; Orphan Fund, 157*l.* 1*s.* 5*d.* The report was adopted.

BENEVOLENT FUND COMMITTEE.

A grant of 50*l.* was recommended in each of three cases, and two grants, amounting to 65*l.*, from the Orphan Fund. The following contributions were announced: Reigate, Red-hill and District Association, 2*l.*; Blain & Hankinson (box), 17*s.* 6*d.*; Mr. E. J. Raynor, Leyton (box), 6*s.* 4*d.*; Mr. Jenkins, Cardiff, 26*l.* 6*s.* 6*d.* The ingenious scheme devised by Mr. Jenkins for filling his widely distributed collecting boxes was explained by Mr. HAGON, who said that the increase over ordinary methods was about tenfold. The report was adopted.

LIBRARY COMMITTEE.

The principal feature of the Committee's report was a draft of amendments to the by-laws dealing with examinations—a matter remitted to them at the last Council-meeting (*C. & D.*, January 12, p. 38). The suggested amendments consist in employing the word "Qualifying" in several places and the deletion of references to the Modified examination. The following is to be added to by-law 21: "They shall also produce satisfactory evidence of having received an adequate preliminary practical training in the subjects of the Qualifying examination; such evidence to be that prescribed by the Council in the regulations specified in by-law 10 of this section."

In moving the adoption of the report (which also recommended a school course in micro-biology), the PRESIDENT remarked that the Council, in sanctioning the proposed changes, were making history. Mr. GIFFORD expressed a dislike of the word "Qualifying" but did not—as a Councillor expressed it—"know a better 'ole." The PRESIDENT replied that the terms "Minor" and "Major" were equally exposed to the shafts of the philologist, and recalled in this connection a Reynolds cartoon in *THE CHEMIST AND DRUGGIST*, wherein these degrees of nobility were made a subject for mirth. The report was seconded by Mr. HARRINGTON, and adopted.

GENERAL PURPOSES COMMITTEE.

Reference was made in this report to the need for economy in the use of acetic acid, and it was recommended that a Committee be appointed to consider the claims of pharmacists to all dispensing in any Public Health Service under the proposed Ministry of Public Health. This recommendation arose out of the consideration of a remit from the Council and a carefully prepared statement by Mr. Rowsell, who has had exceptional experience in Health Insurance matters. After pointing out that the British Medical Association and other bodies have already formulated the requirements regarded as essential from their own point of view, Mr. Rowsell's statement urges that the Pharmaceutical Society should place their views before the Minister of Reconstruction, and makes the following suggestions:

That the Council of the Pharmaceutical Society of Great Britain urges the establishment of a Ministry of Health. That such a Ministry should be a separate Department of the Government, and should co-ordinate all matters pertaining to the health of the nation.

That on any Board of Administrators, statutory Advisory Council, and the Local Authorities that will have to deal with the question, there shall be included representatives of pharmacists.

EXAMINATION REPORTS.

It was announced that at the January Minor examinations 26 candidates out of 48 passed in London, and 10 out of 13 in Edinburgh.

There was no other public business.

DYE-MANUFACTURE.—Levinstein, Ltd., and British Dyes, Ltd., have made what may be regarded as astonishing progress. It is probable that the former will not remain content with Ellesmere Port and the works at Blackfey. The building and plant of the new works of British Dyes, Ltd., have completely changed the aspect of a Yorkshire valley, and the whole of the general service plant has been completed, including the steam-producer gas and air mains. The equipment of the colour sheds is being pressed forward. New sheds for the production of paranitraniline, beta naphthol, and azo dyes on a large scale are being built, and these products are now in satisfactory supply. Other sheds for the production of intermediates necessary to increase the range of dyestuffs are nearing completion.—"*Times*" *Commercial Supplement*.

Society of Chemical Industry.

THE MEETING of the London Section, held at the Royal Society of Arts, John Street, Adelphi, W.C., on February 4, began in a minor key but ultimately reached a rather high note. It was really a meeting of London chemists held under the auspices of the Section to consider *The Proposed Formation of a British Association of Chemists*, and the attendance was a record in numbers. The lecture-theatre was filled, and the gathering overflowed into the vestibule. Mr. A. R. Ling (in the absence of Dr. Keane, Chairman of the Section) presided, and among the few connected with pharmacy present were Messrs. T. H. W. Jdriis, W. Garsed, T. H. Brewis, and H. Tappenden. The new Secretary, Dr. Stephen M'fall, took on his duties for the first time, and led off the proceedings by reading to the meeting (at the request of the Chairman) letters received from the Institute of Chemistry and the Chemical Society regarding the suggestions sent out by the initiators of the incipient Association. The Chairman then called on anyone present from the Association to place his views before the meeting, but speakers were extremely shy at first. None of the leading spirits had turned up, so eventually Professor Brame was invited by the Chairman to explain the situation. This he did very clearly, concisely, and with a modicum of criticism on the proposals of the provisional Society as circulated to the members, and also on the way these proposals had been met by the Institute of Chemistry. Briefly, these proposals are that a British Association of Chemists be formed of persons holding a University degree (or the equivalent) with chemistry as principal subject, and also of persons holding responsible positions who could satisfy the Council that they had a sufficient general education and had practised pure or applied chemistry for seven years. It was felt that the Institute of Chemistry would be the appropriate registration authority, and the Institute had accordingly been approached in the matter, but, judging by the remarks of various speakers, and also by the printed statement that had been circulated, the reception by the Council of the Institute had been chilly. The contention of the Council was that the aims and objects of the proposed Association were practically those of the Institute, but the Council was prepared to submit to the Fellows and Associates various modifications of the regulations and constitution of the Institute with a view of meeting the proposals put forward. It was evident throughout that the attitude of the Institute towards the new Association was resented by a large proportion of the audience. After Professor Brame had concluded his speech the Chairman introduced Mr. E. C. Smith, one of the prime movers in the Association, who had been detained and apologised for lateness. Mr. Smith gave a clear and moderate exposition of the ideas in the minds of the originators of the movement, pointing out that there was no desire whatever to run counter to the Institute of Chemistry, or to endeavour by any side issues to inveigle the Institute to lower their standard of qualification. The negotiations with the Institute were incomplete, but so far the Institute, in the view of the originators, had not gone nearly far enough to meet them. Professor F. G. Donnan followed Mr. Smith, but confessed that he was not at all clear as to what it was all about. Mr. Smith had said it was not to be a "trade union" but a "professional union," and he (the Professor) wanted to know what the difference was. He, for one, was not disposed to disparage the working man and his trade union. He urged the Institute of Chemistry to get a new charter if necessary so that it might do something to promote unity and consolidation of the interests of chemists of all classes. Considerable amusement was caused by the outspoken comments of Mr. N. A. Anflogoff, who said that the Association should be on the lines of a trade union pure and simple, just as the doctors and lawyers had their trade unions. The Institute of Chemistry should dynamite its charter if need be, come down from its elevated perch, and deign to take notice of poor chemists. Mr. C. H. Alldred continued in the same strain, saying bluntly that the Institute had never done anything for chemists. Mr. J. H. Coste moved that "It was desirable to register all those practising chemistry as their principal occupation," and Mr. Ellis seconded. Then an interlude occurred while Mr. F. C. A. H. Lantsberry put the views of his Birmingham *confères* before the meeting. Afterwards Mr. A. C. J. Charlier, President of the National Association of Industrial Chemists, imported a further complication by asking for a definition of what chemists are. He cast doubts on the statement, that the provisional Society originated this new movement, as his Association was started last June, and had a membership already of several hundreds. After Mr.

Huntly and Mr. Cooper had spoken, Mr. E. Gardner proposed as an amendment:

That a London Section of the projected Association be hereby formed.

This was seconded and carried as a substantive motion. Subsequently a Provisional Committee was formed as an executive, the following being elected to serve:

Professor Donnan, Professor Brame, Messrs. Walter F. Reid, G. N. Huntly, E. Gardner, F. H. Lees, G. H. Perry, N. A. Anflogoff, Haas, Hinchley, and Wagner. Hitherto there had been nothing of particularly stirring interest, but Mr. R. B. Pilcher, Registrar of the Institute of Chemistry, now arose, and proceeded to make a vigorous defence of the Institute and its methods. His remarks were pointed, pertinent, and delivered with a considerable amount of heat. He singled out various speakers and replied to their criticisms with some effect. Then the Chairman, in summing up, added fuel to the fire by regretting that after a discussion that had been carried on with so much good humour and restraint Mr. Pilcher should have butted in and apparently "lost his hair." There was no doubt, he said, that the Institute was out of touch with the aspirations of the bulk of the industrial chemists of the country. It was a ridiculous thing, he proceeded, to suggest that only such men as had passed the Pharmaceutical Society's examinations could legally call themselves chemists. Here Mr. W. Garsed, Ph.C., interrupted to point out that the Pharmaceutical Society had never objected to a works chemist, an analytical chemist, or a manufacturing chemist using a title which legally belonged only to the pharmaceutical profession. This seemed to cause much amusement among the younger members of the audience, but Mr. Garsed stuck to it, and said that this question of the title "chemist" was a side issue, which had much better be left alone. Apparently there were no direct representatives of the Pharmaceutical Society present, for Mr. Garsed was unsupported, and the matter dropped. The final speaker was Mr. C. S. Garland, who characterised Mr. Pilcher's speech as typical of the attitude of the Institute of Chemistry towards chemists in general. He wound up with a scathing indictment of "half-baked schemes" evolved by the Institute and a condemnation of its unsympathetic attitude generally. This brought Mr. Pilcher again to his feet, but he was closed by the Chairman, who declared the meeting at an end.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

254/2. "Paillette" boric acid. 256/7. "Glyceoral."
254/3. "Trimethol" tablets.

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4:

"Brillrose" nail - polishing sticks, 216/52	"Ivory" soap, 240/40
"Bromidia," 227/18	Jackel's cream, 237/46
Bromley's talking-cards, 230/47	Jaconet, 171/3
Camphor blocks, 233/45	"Larola," 237/46
"Cargentos," 257/12	"Laxans," 237/42
"Casagel," 242/45	"Laxettes," 166/62
Cast-iron mortars, 241/32	Limestone phosphates, 238/34
Chemists' stoneware, 190/59	Liquozone, 153/60
Chewing-gum, 174/15	"Lu-ku" snuff, 201/60
"Chilli" radiator, 196/66	"Lycresol," 160/28
Chloral hydrate, 185/37	Macaura's pulsocon vibrator, 227/66
"Chlorogen," 229/64	"Macclesfield" brand copper sulphate, 151/10
"Danjhill" ear appliances, 254/21	Mariani wine, 177/30
Dinneford's fluid magnesia, 254/24	Phenazone, 164/6
"Eauile" braud bismuth, 216/54	"Pineoleum," 237/42
Esanofele pills, 193/26	"Renardine," 223/44
Ferber's capsules, 253/34	Rennes' magic oil, 232/7
"Fermenlactyl," 220/54	Riley's bath cabinet, 225/60
Gerardel's pastilles, 246/72	"Saltrates," 232/11
Gibbs's cold-cream soap, 246/72	"Samaritan" ointment, 243/32
Godfrey's inhaler, 235/19	"Secotine," 235/40
"Gospo" soap-powder, 255/74	"Self-seal" safety postal-box, 226/15
Hansen's rennet, 228/58	"Tolmo," 175/69
Harris's tamarind emulsion, 242/34	"Thigenol," 162/44
"Herosium," 242/33	"Thiomel" ointment, 224/50
"Iodablin," 244/54	"Throatlets," 215/50
"Iodogenol," 175/68	"Vamianine," 249/63
"Iodone" (Robin), 204/58	Vars' (Madame) Hair Dye, 233/65
	"Zon-vac" vacuum-flask, 228/38

Observations and Reflections.

By Xrayser II.

Mr. McLellan's Paper

on commercial pharmacy, read at Edinburgh, opened with a misuse of terms, which did not, however, vitiate his argument. Business is not a science but an art; it may be subjected to scientific criticism, but it is not built up on scientific lines, though it may, of course, have, as the business of pharmacy certainly has, a scientific basis. Mr. McLellan, however, dealt not with the foundation but with the superstructure, and though he closed as he began, by harping on "science" as the key to success in business, he quite properly ignored it in the rest of his paper. The qualities he insisted upon as necessary to the salesman, the mode of action and all the subsidiary aids which he prescribed—all these belong to the domain of art rather than of science, though, of course, as regards the qualities, enthusiasm, alertness, tact, are helpful in both spheres. But too great a preoccupation with science, properly so called, is more likely to be hurtful than helpful in the business of most pharmacists.

Looking Forward

has always been a characteristic attitude of the *C. & D.*, but never was more so than it is at present—indeed, your articles on Reconstruction Problems are more pregnant with ideas and suggestions for our future guidance than any which have within my memory appeared in its columns. The latest of these is perhaps the most valuable, as being most easily capable of immediate application. Such a Drug Council as you propose would be an immense advantage both in the domestic sphere and in our external relations; in the latter especially it would give us a force and efficiency we shall never have while we retain our "splendid isolation" as retail chemists and druggists. I am not bold enough to anticipate the formation of an elective Upper House of Parliament, but without that the junction of all the bodies connected with drugs in a common Council would so greatly increase the amount of pressure we can bring to bear on the Legislature as to lessen, if it did not entirely obviate, the necessity for direct representation in either House.

My Recent Note

on the suggested increase of the subscription to the Pharmaceutical Society has, I am told, been understood by some members as an incitement to withdraw from the Society. It was not written with any such thought, nor can it reasonably be so construed. The Society is what its members make it, and is worthy of our support if we try to make it so, but it is worth nobody's while to belong to a Society whose policy he does not agree with yet makes no effort to change. That our Society is so feeble and inefficient in defence of our interests is due to two causes: (1) it does not embrace the whole trade, and (2) only about half of those who do belong to it take any active interest in its doings—a very large proportion will not even trouble themselves to vote in the election of its Council. Of these two sources of weakness the latter is much the more serious; it amounts to a partial paralysis of the Society, for these silent members are dead so far as participation in the conduct of the Society is concerned. It was to them chiefly that my note was addressed; to such of them as are satisfied with things as they are it has no application, but to those—and they are probably the majority—who are not, who pay their guineas and grumble, it was a call not to secede but to wake up. For them to double their subscription and do nothing more would be absurd. And to those members who simply vote at haphazard when May comes round the same remark applies too, though with somewhat less force. Imperfect as our organisation is, they might still bring much more pressure to bear upon our government than they do, and the mere

fact of being asked for more material support should make them more active in moulding the Society to their wishes.

Another Note of Mine

may or may not be partly the explanation, but it is a fact I welcome in any case that some firms are sending out assurances to the trade that prices will not be advanced to them between the receipt of an order and the despatch of the goods. A circular letter to this effect from a well-known firm now lies before me; it ought not to have been necessary to make such an announcement, but the firm in question is, of course, not to blame that it was. I venture to call attention to another practice of some wholesale houses—that of charging containers and packing-cases and not crediting anything for them when they are returned. Here is a case in point: a two-pound tin of *ol. coci nucif.* comes in this morning. The tin is charged eightpence, which it may or may not be worth to the sender; to me it 'is worth nothing at all, yet the price charged for it amounts to an extra fourpence per pound on the contents, which is a fourth of the actual price charged. Suppose this to happen with an article used in Insurance dispensing, the Checking Bureau takes no account of cost of containers, and I lose about 25 per cent. on the transaction.

8 P.M.

is certainly in many neighbourhoods too early an hour for the total closing of panel chemists' shops, and the rota is the best possible way of overcoming the difficulty. The objections that were urged with some show of reason against such an arrangement for shortening our hours of general business have no force here; to be open for trade is one thing, to be open for service another. The panel dispenser is not, as such, a tradesman at all; he has to do with customers but with patients; his only customer, if he has one, is the State, and even to the State he does not sell his medicines; he simply dispenses them for a fee on the State's behalf. This may not be the legal view, but it is the real fact, and I do not see how such "business" as this comes under the Shops Act as retail trade. That, however, is another question; what is certain is that the rota gives no occasion whatever for jealousy or rivalry between chemist and chemist.

Trade Notes.

PYLITNA.—The retail price of Pylitna powders, ointments, and tablets is now 5s. per box.

STRODONIA VANISHING-CREAM.—The name of the manufacturer of this preparation is Strode Cosh & Penfold, Lower Union Street, Bristol.

AYRTON'S JUBILEE SUPPLEMENT.—AYRTON, Saunders & Co., Ltd., Liverpool, ask us to state that chemists who have not received a copy of the Jubilee issue of "Ayrton's Supplement" may have one on application.

PHOTOGRAPHIC CHEMICALS.—B. W. Hair & Son, manufacturing chemists, 104 High Holborn, London, W.C. 1, send us a copy of their latest wholesale price-list of photographic chemicals. It is a very complete list, and comprises all the chemicals used in photography. A copy will be forwarded to any of our subscribers who send a postcard intimation to that effect.

BRITISH JOURNAL PHOTOGRAPHIC ALMANAC.—The 1918 edition of this well-known photographic annual has been published this week, and although it is the fourth war-time issue the work has a remarkable freshness. The introductory article, entitled "Miscellanea of Negative-making," is devoted to such questions as temperature of development, the uses of various fixing-baths, hypo-eliminators, etc. The excellent epitome of progress follows, arranged in six sections, forming interesting reading. The formulæ for photographic processes are most useful to chemists and are quite up to date. The advertisements are also acceptable to readers who look for the new things in photography. The Almanac, which is well indexed, sells at 1s. 6d. (paper) and 2s. 6d. (cloth).

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CHEMISTS' DICTIONARY OF SYNONYMS. 2/6, by Post 2/9.

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Editorial Articles.

Lard-free Ointment-bases.

THE increasing scarcity of lard and the necessity for conserving that fat for human food is bringing us inquiries for lard-free bases for ointments. As the same reasons prevail in the case of other edible fats and oils, it is also desirable to avoid the use of bases containing butter, margarine, marrow-fat, goose-fat, turtle oil, coconut oil, linseed oil, palm oil, suet, theobroma oil, almond oil, olive oil, nut oil, and cottonseed oil. Casein also is inadmissible, as it is needed for food-purposes. Glycerin must also be excluded for other reasons, with the consequence that bases such as Schacht's plasma (glycerin and starch), Groves's glycelæum (almond meal, glycerin, and olive oil), and Hunter Mackenzie's (gelatin, glycerin, and water) are barred. So are tragacanth and agar-agar, which require glycerin to keep them moist as ointment-bases. Before the introduction of hydrocarbon bases the lard-free ointments as ordered in the older Pharmacopœias contained olive oil or almond oil, and hence we cannot obtain much guidance from consulting the authorities of the last century and earlier. The British Pharmacopœia contains formulæ for forty-three ointments, twenty-six of which contain lard, the other bases being mixtures of paraffins. The difference in bases is due to the various medical requirements for the ointments, whether they are protective or are designed to act as absorptive agents for medicaments. Ung. paraffin, B.P., the mixture of hard and soft paraffin and beeswax designed by Lucas, is used in ung. ac. borici, ung. ac. carbolici, ung. ac. salicylici, ung. hydrargyri oxidi rub., and ung. lanæ co., but the last-named, containing lard, must for the moment be excluded from our purview. It may be taken that Lucas's formula is perfect so far as the use of hydrocarbon bases is concerned, and the ointments in which it is employed need not be considered at present, although with the increasing scarcity of the paraffins it may happen that even this base may have to be curtailed. The other substances which can be employed in making ointments are beeswax, carnauba wax, ceresin, vegetable wax, spermaceti, stearin, stearic acid and the stearates, rosin, lanolin, and manufactured soap. Some unusual ingredients in ointments are the higher alcohols derived from spermaceti and the volatile fatty acids of linseed oil. The last-named, being a by-product in the purification of linseed oil, would not involve the use of edible materials for ointments. Lanolin suitably diluted is the best

substitute we have for lard as an ointment-base, taking into consideration the particular purpose of using an absorbent material. As stated above, ung. lanæ co., B.P., is inadmissible for our present purpose, but excellent ointments of a like character but free from lard can be made containing lanolin. We append a few of the formulæ which have been suggested:

- | | |
|------------------------------|-----------------------------|
| (1) Lanolin 30 | (6) Soft paraffin 70 |
| Soft paraffin 10 | Spermaceti 5 |
| <i>Helbing.</i> | Distilled water to 100 |
| | <i>Humphrey.</i> |
| (2) Anhydrous lanolin ... 65 | (7) Soft paraffin 30 |
| Liquid paraffin ... 30 | Hard paraffin 10 |
| Ceresin 5 | Anhydrous lanolin ... 20 |
| Water (if necessary) 30 | <i>Guy and Ewing.</i> |
| <i>Helbing.</i> | (8) Lanolin (anhydrous or |
| | hydrous), |
| (3) Lanolin soap, | Soft paraffin (white |
| Anhydrous lanolin, | or yellow) equal parts |
| of each 15 | <i>Tocher.</i> |
| Distilled water ... 60 | (9) Beeswax (white or |
| <i>Skinner.</i> | yellow), |
| | Lanolin (hydrous or |
| (4) Soft paraffin 65 | anhydrous) equal parts |
| Lanolin 15 | <i>Tocher.</i> |
| Distilled water to 100 | (10) Lanolin 65 |
| <i>Humphrey.</i> | Liquid paraffin ... 30 |
| | Ceresin 5 |
| (5) Soft paraffin 70 | (11) Anhydrous lanolin 35 |
| White wax 5 | Soft paraffin 53 |
| Distilled water to 100 | Ceresin 7 |
| <i>Humphrey.</i> | Distilled water ... 5 |

We also give two formulæ for a basis for cold-cream free of edible fats:

- | | |
|---------------------------|-------------------------|
| (1) Anhydrous wool-fat 10 | (2) White wax 20 |
| Hard paraffin ... 15 | Liquid paraffin ... 70 |
| Liquid paraffin ... 50 | Sodium borate ... 1 |
| Rose-water 25 | Rose-water 30 |
| <i>Guy and Ewing.</i> | <i>A.Ph.A.</i> |

We have by no means exhausted the subject, but have endeavoured to indicate the practical lines upon which the present difficulties must be met. We shall be glad to receive further suggestions from any of our subscribers who may have hints to offer for the general good.

Topical Matters.

A REPORT has been current that the Government is on the point of releasing further supplies of chemically pure glycerin for the very few medicaments in which it is now allowed to be used. This has aroused some interest in view of the fact that the supplies in hand for medical purposes are nearly exhausted. We understand, however, that although supplies for absolutely necessary medical purposes may still be forthcoming, the position as regards the demand for explosive purposes is more insistent than ever, and the Government requires every ounce of glycerin it can get. Underlying the situation at the present moment, is the fact that the

GLYCERIN. rationing of imported seeds, oils, fats, etc., between the food-producers and the soap trade is a problem that requires delicate adjustment. The food situation makes it necessary to consider the policy of commandeering these raw materials for edible purposes, and this created some difficulty in the soap industry, where the output of glycerin has to be considered. Food is the first consideration of the nation, then follow munitions, while other commercial interests which depend on these raw materials suffer from lack of supplies. Industries using cottonseed and linseed oils in particular are likely to feel the pinch. Linseed oil, for instance, is vital to the paint industry, while the demand for linoleum makers will have to be considerably curtailed. Meanwhile, soapmakers find that they are compelled to cut down their customers' requirements, and this tends to keep prices of household and toilet soaps in a strong position. Last year this output, in spite of difficulties, was well maintained, and as regards export, a larger business was done than in the previous two years,

our shipments of all kinds of soap amounting to 2,533,733 cwt., against 2,172,738 cwt. and 1,911,090 cwt. in 1916 and 1915 respectively. It will be remembered that in 1916 the importation of soap into the United Kingdom was prohibited except under licence, and judging from the trifling imports in 1917 this embargo has been rigid, as only 1,208 cwt. of toilet-soap and 4,135 cwt. of household-soap were imported. It is interesting to note that in Australia (where in 1916 an embargo was placed on the importation of soap except from the United Kingdom and France and Italy) a protest has been raised by American exporters of fancy soaps, who have practically lost the Australian market. The matter was raised by them in the Australian Senate last September through the American Consul, who wished the removal of this restriction in view of America's entry into the war. A cable, however, had been received from the British Government that the prohibition should be maintained, as the entry of the United States into the war did not involve any change in circumstances governing the supply of glycerin for national purposes and the importation of American soap would involve reduction of glycerin-production. It would appear that the American Government has declined to fix a price for glycerin, which now stands at about 330s. per ton for the chemically pure product, whereas the British Government is able to buy glycerin from other Allied countries at the fixed price of 87s. per ton. For some time past, however, very little glycerin has been imported, and, we may add, such consignments would be at once taken over by the Government.

Sir Charles Bathurst, Chairman of the Sugar Commission, at a conference of the Food-Saving Exhibition last week made the statement that the output of SACCHARIN. saccharin in this country is likely to be more than trebled "in the course of next month," and the price reduced. We have made inquiries and are able to confirm this statement. It appears that the Government has at last grasped the fact that the home production of saccharin can be increased, and of late better facilities have been granted to the manufacturers by releasing larger quantities of raw materials. This has enabled the makers considerably to increase their output, and a substantial reduction in the price may be looked for. The Government requirements are large, but after these have been satisfied further supplies will be available for the public. It has been suggested that the Government may control saccharin and fix official prices for tablets as in the case of sugar. Meanwhile, it is reported that the United States has prohibited the exportation of saccharin, in consequence of which there has been a very brisk demand for parcels on the spot and afloat, and the previous sagging tendency of the market has quite disappeared. Considerable quantities have been sold for forward delivery, but a doubt is expressed as to whether these contracts can be carried out in view of the embargo. We understand that the American production has considerably increased, and that fact, together with the difficulty of shipping, is responsible for a substantial decline in the domestic market.

With reference to the note which appeared in our issue of January 26 (p. 43) on the discovery in Norway of a method of refining cod-liver and other fish oils to render them suitable for the manufacture of margarine, it should be mentioned that Norway and Germany are by no means alone in being able to improve processes and use new raw materials for the manufacture of margarine and other edible fats and oils. It was well known before the war that whale oil could be converted by hydrogenation into a solid fat, the origin of which could not be detected by smell or taste, and the same was true of other fish oils. Vegetable oils, such as linseed and cottonseed, were also being converted into solid fats on a large scale by the same process, and there is very little doubt that the products were being largely used for the production of edible fats. In this country since the war great strides have been made in the manufacture of margarine, and it is hoped that by next autumn the home production will be more than three times as great as it was before the war, and will meet the whole of the British requirements, large

OILS FOR MARGARINE.

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as these now are compared with the pre-war demand. Those familiar with the British oilseed-crushing industry before the war need only consult the list of "Arrivals of Chemicals, Drugs, etc.," which we print every week, to realise what a variety of new oilseeds are being crushed in this country, including palm-kernels, ground-nuts, babassu-nuts, and sunflower-seeds. Copra is another item the British consumption of which is steadily increasing. Before the war the British oilseed-crusher could not compete for these products even in our own Colonies, because his German rival was able to pay higher prices, thanks to the large margin of profit he enjoyed through the existence of a good home market for edible oils heavily protected by import-duties on oils and fats. Precisely how the resumption of his activity in this direction after the war is to be controlled is an interesting and difficult problem, which will call for all the ingenuity the Ministry of Reconstruction can bring to bear on it in view of the importance of oils as food, as sources of glycerin for explosives, and in other ways. Similarly the oilcakes left after the oil has been expressed are now of vastly increased importance for feeding cattle when so much pasture-land has been ploughed up. It seems clear that the British oilseed-crushing industry cannot safely be left in the position it occupied before the war.

Insurance Dispensing Difficulties.

VI. Pricing and Checking.

PRESCRIPTIONS can obviously best be priced by the chemists who have dispensed them, because they know exactly what has been used in preparing the medicine and supplied to the patient. But for reasons which are sufficiently well known, National Health Insurance prescriptions must be sent to the Pricing Offices without anything being added or attached by the chemist except such information as may be necessary to render interpretation of the prescriptions clear to the pricers. The latter, as previously stated, are usually individuals without the special technical training required to dispense prescriptions, but it has been found possible to train them to read prescriptions with facility after some three or four weeks' practice. Given a clear interpretation of the prescriptions, the errors in actual pricing are practically negligible, but in dealing with any large number of scripts numerous problems present themselves for elucidation, and these can usually only be solved by pharmacists who have had a thorough shop training, or sometimes by no one but the dispensers. Obviously, therefore, no Pricing Office staff can be considered complete unless it includes one or more pharmacists who have had shop experience, and it will occasionally be necessary to return scripts to chemists for further information. After the prescriptions sent in by a given chemist have been priced and the pricing has been checked, it is necessary to add together the prices of all the ingredients and the dispensing-fees so as to ascertain the total of the chemist's account for the month. This totalling is effected by means of an adding-machine, and the accuracy of the total is dependent on the care taken by the operator who works the machine. Checking, therefore, is again necessary at this stage. Subsequently the totals recorded by the adding-machines are copied by hand on to the official invoice form, and it is at this stage that the greatest risk of error is found. Figures may be wrongly copied, or the total in pence and decimals may be incorrectly converted into pounds, shillings, and pence. Again, therefore, checking is rendered necessary to ensure the payment of the proper amount to the chemist concerned. Much checking is done by the more experienced members of the Pricing Office staffs; but, just as it is found necessary in the public interest to have the whole of the priced scripts and accounts audited on behalf of the Government, so it is essential that the interests of panel chemists should be protected by independent checking and supervision. This checking and supervision of the work cannot, we hold, be done satisfactorily except at the Pricing Offices, and panel chemists should refuse to be content with any system of checking on their behalf which consists only in the checking of the prices of ingredients and of dispensing-fees after the accounts have been paid

and the scripts removed from the Pricing Offices for checking-purposes. A preliminary check on behalf of the chemists should be made immediately after the pricing has been completed and before the adding-machines get to work. There should be a further check on the work of the adding-machines, and a final checking of the accounts before they are despatched to the Insurance Committees in order that the necessary payments may be made to the chemists. Over and above all, it should be possible for any chemist to have his scripts specially examined by his representative at the Pricing Office, within a fortnight of payment, if a reduced average cost per script or any special circumstance should lead him to believe that he has been underpaid. Any serious discrepancy noted during this examination could at once be adjusted by the Superintendent of the Pricing Office, and the error could then be remedied when the next payment was made to the chemist by the Insurance Committee.

Index to Volume LXXXIX.

THE INDEX TO VOLUME LXXXIX., covering the whole of the issues of THE CHEMIST AND DRUGGIST for 1917, has been published this week. It is one of the largest we have published, and it forms a key to the contents of the double volume for last year, making the information readily accessible to those who use it. We are posting copies of the Index to those of our subscribers who have already intimated that they desire to have them. Any others who require the Index should make an early application, as only a limited number has been printed.

A Point in Pharmacy Law.

AN INTERESTING CASE under Section 17 of the Pharmacy Act, 1868, was heard at the West London Police Court (p. 37), when a well-known pharmacist was charged with an offence under the section, because he had not kept a record of the dispensing of a solution of morphine required for the purpose of hypodermic injection, and originally ordered in a doctor's prescription some thirteen years earlier. When first the medicine was dispensed the ingredients thereof were duly entered in a book kept by the seller for that purpose, but when the medicine was repeated no entry was made in the prescription-book. The points were ably argued, especially for the defence, and the Magistrate gave the most patient hearing to the case. He manifested the greatest sympathy with the defendant, whom he acquitted of any intention of attempting to evade his responsibilities; but in the result he found himself compelled to impose a modified penalty on the ground that the words "on every sale" in the first part of Section 17 must be held to govern all that followed. Accordingly, in his opinion, it must be considered necessary to make a record of the sale every time a medicine containing a scheduled poison is dispensed from the same prescription. It is a curious circumstance that this question of the necessity of keeping a record of the dispensing of medicine containing poison, when repeated, should not previously have been raised in the courts. The decision now recorded does not, however, carry the force of a High Court judgment. Nevertheless, pharmacists will probably be well advised to act upon the decision whenever repeating prescriptions for medicines containing scheduled poisons, and it may also be advisable to give some consideration to the question of procedure when dispensing medicines containing such poisons from Insurance prescriptions. Many chemists make a practice of entering all repeated prescriptions in the prescription-book, but there are many who do not. In this case no entry was made, and hence it came about that a prescription containing a scheduled poison was held not to have been brought within the provisions of Section 17.

IT IS MUCH TO BE DOUBTED whether in any part of the Secondary rocks or of the subjacent Palaeozoic series there exists any deposit of petroleum of a commercial value commensurate with the cost of wild-cat search (for such it must needs be) and subsequent exploitation.—*Mr. W. H. Dalton.*

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C. 4."

Report on January Analytical Exercise.

THE powder distributed to students on January 8 contained one part by weight of copper hydroxycarbonate, eight parts of barium chloride, and one part of sodium pyroborate (borax). The calculated composition of such a mixture is:

Cu	...	...	...	...	5.8
Ba	...	...	...	...	45.0
Na	...	...	...	...	1.2
CO ₃	...	...	...	...	2.7
Cl	...	...	...	...	23.2
B ₂ O ₃	...	...	...	...	4.1
OH	...	...	...	...	1.5
H ₂ O	...	...	...	...	16.5
					100.0

A trace of iron, and magnesium in small proportion were also present as impurities.

Samples of the powder were distributed to thirty-three students, and sixteen reports were sent in for examination. All who submitted reports detected copper and the hydrochloric-acid radical. Failures in detecting the other main constituents were: Barium, 1; sodium, 4; carbonic-acid radical, 1; boric-acid radical, 14. Six students failed to observe the evolution of water, amounting to about one-fifth of the total weight, when the powder was heated in a dry test-tube.

In devising this exercise the copper and barium compounds were intentionally chosen as substances which yield green flame colorations, so that the flame reaction due to the boric-acid radical should be obscured or rendered uncertain in applying preliminary tests. Incidentally, this device was calculated to ascertain whether those students who detected copper and barium in a powder which gave a green flame coloration would be content to assume that these constituents supplied a sufficient explanation for the observed effect, and on that assumption to omit any special test for the boric-acid radical. As it turned out, only two students detected this radical, and of the fourteen who failed about one-half did not apply any test which could have proved its presence, while most of the remainder reported having tested for it by the sulphuric-acid and alcohol method, but without obtaining a positive result. The safest test for a borate to be employed in such a case as the present is that with turmeric paper, but its application demands some care. The liquid must be made acid (preferably with hydrochloric acid), since the reaction is due to free boric acid. After the turmeric paper has been dipped into the acidified solution it must be dried, charring being carefully avoided. When dried the paper has assumed a distinctly darker colour, whether boric acid is present or not, the hydrochloric acid not being without some effect upon its colour, but when boric acid is present the colour assumed is a reddish brown, which changes to green when moistened with sodium hydroxide. In the absence of boric acid no trace of this green colour is produced. Some commercial turmeric papers (usually feebly coloured) yield a slight boric-acid reaction in a blank test, and this would seem to indicate that they already contain traces of boric acid or of borax. Such papers should be rejected as unsuitable. The pharmaceutical student can easily prepare turmeric paper of an altogether suitable quality from thin, high-class filter-paper and turmeric tincture which is not too thickly coloured.

In the systematic examination for metallic radicals the hydrogen-sulphide filtrate was reported, in some cases, as yielding a precipitate on the addition of ammonium chloride and excess of ammonia, which was too considerable in quantity to be accounted for by the trace of iron which was present. It is almost certain that the greater part of any precipitate obtained at this stage consisted of barium borate, a substance which is quite likely to be precipitated even from moderately dilute solutions when these are rendered slightly alkaline.

PRIZES.

The First Prize for the best analysis has been awarded to J. W. B. YOUNG, 33 Square, Kelso.

The Second Prize has been awarded to

FREDERICK J. DYER, 4 St. Mildred's Road, Westgate-on-Sea.

First Prize.—Any scientific book that is published at a price not greatly exceeding half-a-guinea may be taken as a first prize.

Second Prize.—Any scientific book which is sold for about five shillings may be taken as a second prize.

The students to whom prizes are awarded are requested to write at once to the Publisher naming the book or books they select.

MARKS AWARDED FOR ANALYSIS.

1. Correspondents who are unqualified:

J. W. B. Young (1st Prize)	...	...	...	...	75
F. J. Dyer (2nd Prize)	...	...	...	...	74
Oro	...	...	...	...	71
Beryllium	...	...	...	...	69
Somme	...	...	...	...	65
Blowpipe	...	...	...	...	59
Samarium	...	...	...	...	54

2. Correspondent who is qualified:

Snavei	...	...	...	...	72
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TO CORRESPONDENTS.

J. W. B. Young.—The pungent odour noticed when the powder was heated with sulphuric acid was partly due to hydrochloric acid and partly, no doubt, to the sulphuric acid being volatilised.

F. J. Dyer.—It is rather surprising that lead acetate did not give a precipitate of lead chloride when you added it to a part of the sodium-carbonate extract acidified with acetic acid as a test for chromate, etc. The turmeric-paper test for borate was more delicate than the one you employed.

Oro.—Your position in the list has been seriously impaired by your reporting as minor constituents several substances which were not present. The precipitate you took for nickel sulphide must have consisted of cuprio sulphide incompletely precipitated at the proper stage.

Beryllium.—Note that chlorine was not evolved on heating the powder with sulphuric acid, since it did not contain an oxidising agent. The gas evolved was hydrochloric acid. Acetate was not present.

Somme.—From your report you seem to suppose that cyanides yield hydrocyanic acid when heated in a dry tube. This is not true, however, of cyanides generally. Your evidence for a sulphite is incomprehensible where you state that you dissolved the powder in water, added sulphuric acid and barium sulphate, and obtained a white precipitate.

Blowpipe and Others.—Note that the test on charcoal with cobalt nitrate for zinc, etc., is only applicable to residues which are colourless after their first heating. This point is frequently ignored.

Samarium.—When heated with sulphuric acid the powder first assumed a yellowish colour and then became colourless. The first behaviour somewhat distantly resembled that of a citrate or a tartrate, but the subsequent change proved that the effect was not due to organic matter. In your "confirmatory tests" for citrate the precipitates you obtained no doubt consisted of cadmium borate and strontium borate.

Cyanide.—Unless you thoroughly washed the hydrogen-sulphide precipitate before proceeding to examine it you were certain to have some barium in the solution subsequently prepared from it; and the precipitate you took for lead sulphate may have consisted of barium sulphate. It is unfortunate that you did not apply any special test for a borate.

E. M. Oliver.—Your report would have been materially strengthened by the inclusion of preliminary tests. These should be applied in every instance. We cannot account for the arsenic reactions which you appear to have obtained in carefully conducted experiments.

A. V. K.—On repeating your experiments we failed to obtain any deposit when the original solution in dilute hydrochloric acid was allowed to cool. Perhaps you employed the concentrated acid and obtained a deposit of barium chloride which would not have appeared in a more dilute acid.

Corse.—You report strontium and calcium absent without furnishing particulars of how this was established. A record of work done should invariably be given, as well as of the conclusions arrived at.

Mark.—The effervescence when the powder was treated with a dilute acid was a well-marked reaction which should not have been overlooked.

Jayjay.—The reaction which led you to suspect tin was most likely due to traces of copper, dissolved as sulphide by ammonium sulphide. Regarding lead, read the reply to "Cyanide."

Anethi.—When you added magnesium sulphate to the original solution in that futile test for a carbonate, the precipitate which you obtained consisted of barium sulphate.

The Bing Boys.—The green constituent of the powder was copper carbonate, not ammonio-arsenate. Ammonium was absent.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Bournemouth.—At the last meeting of the Insurance Committee, the accounts for the year ended December 31, 1916, were presented, showing that 2,089*l.* 17*s.* 3*d.* was spent on drugs. The Finance Committee recommended that chemists' accounts for December and January be paid as soon as the figures are received from the Pricing Bureau, less a proportion of the sum allotted in respect of the Pharmaceutical Committee's administration expenses. The accounts paid in respect to the Drug Fund since the last meeting amounted to 250*l.* 4*s.* 9*d.* The cash account for 1917 showed an expenditure of 1,267*l.* 16*s.* 8*d.* in respect to the Drug Fund. The Medical Benefit Sub-Committee reported on the excessive ordering of drugs. Correspondence with the Secretary of the Local Medical Committee was read, and the Clerk was instructed as to the reply.

Bradford.—In the review of the past year's work of the Insurance Committee it is stated that there had been three additions and eight withdrawals from the panel lists. Of the 117 doctors on the list twenty-eight were serving with the Forces. There had been 264 applications for Sanatorium Benefit, compared with 239 the previous year. The Committee's receipts were 43,224*l.*, and the expenditure 43,273*l.* Payments to doctors amounted to 26,542*l.* and those to chemists 5,936*l.* The register showed that there were 126,168 insured persons. Arrangements have been made for the immediate residential treatment of fifty tuberculous Service men, and every help is in future to be given to soldiers undergoing treatment, while pressure is to be brought to bear upon affected soldiers to avail themselves of the opportunity of obtaining treatment.

London.—The Insurance Committee has sent out a circular to panel chemists stating that when glycerin or syrup is ordered in an ingredient in Insurance prescriptions syrupus facitius is to be dispensed, and only this substitute will be paid for. The only exception is when glycerin is ordered alone, when it is to be supplied and will be paid for. The Pharmaceutical Committee has also sent out a similar note to chemists, with additional information on methylated preparations. The last paragraph in the circular is, "Your attention is specially drawn to the fact that these arrangements only apply to Insurance prescriptions, and that it would be illegal to supply the methylated variety in dispensing ordinary prescriptions unless definitely ordered as such."

Middlesex.—The Insurance Committee met in the Council-chamber of the Guildhall, Westminster, S.W., on February 4, Mr. W. S. Glyn-Jones, M.P. (Chairman), presiding, when the Finance and General Purposes Sub-Committee recommended payment of accounts amounting to 23,608*l.* 8*s.* 2*d.*, including 3,300*l.* 8*s.* 5*d.* to chemists (balance of accounts for October and November and advance payment for December 1917), and 250*l.* as an advance to the Pharmaceutical Committee. It was reported that the Commissioners had abandoned their suggested arrangement for making payments direct to the Joint Pricing Committee in consequence of the opposition of the Insurance Committees, and the present procedure will be continued. The Pharmaceutical Committee's estimate for 1918 amounted to 600*l.*; this the Finance Sub-Committee had approved, and it was ordered to be forwarded to the Commissioners.

Portsmouth.—At the meeting of the Insurance Committee at the Town Hall on January 31, it was mentioned that the cost of prescriptions had diminished from 291*l.* 8*s.* 4*d.* in January 1917 to 200*l.* 5*s.* in November, owing to the lack of glycerin and sugar, for which other substances had been used. The Finance Sub-Committee's recommendation that the salary of the Clerk be raised to 280*l.*, with two increments of 10*l.* a year up to a maximum of 300*l.*, was approved. The Sanatorium Sub-Committee's expenditure had exceeded the income by 309*l.*, which it was hoped to make good during the present year. The expenditure for 1917 amounted to 2,915*l.*, as against 3,066*l.* in the previous year.

Sheffield.—A meeting of the Insurance Committee was held at the Town Hall on February 6. As no resignations of chemists from the panel had been received, the Committee decided that the arrangements for the supply of medicines for 1918 were adequate. Thirty-two persons desired treatment from medical practitioners not on the panel, and it was decided to grant the requests conditionally on the persons in receipt of treatment obtaining a

prescription from the doctor to be dispensed by a chemist, and not by the doctor giving the treatment. The Committee also decided to fix a standard for bandages as suggested by the Panel and Pharmaceutical Committees, which is to be white open-weave 4 yds. in length of the width ordered. It was resolved, on the recommendation of the Panel Committee, to surcharge a doctor with the cost of a pneumonia-jacket which had been supplied by a chemist, it not being one of the scheduled appliances. A report had been received from the Commissioners to the effect that the ratio between the present Tariff prices and the re-assessment of prices on the old Tariff did not show much variation for a period during 1917, and the Committee agreed to accept the basis for the whole of the year. Payment was ordered of 714*l.* to chemists for November balance and on account of December; also of 97*l.* 6*s.* 1*d.*, the amount over and above the expenses of the Pharmaceutical Committee for 1916.

Southport.—At the monthly meeting of the Insurance Committee on January 29, payment was ordered of 79*l.* 12*s.* 7*d.* to chemists for November and December. It was resolved to treat tuberculous soldiers and sailors in conjunction with the Corporation Health Authority. The Medical Benefit Sub-Committee reported that the number of persons entitled to Medical Benefit on January 1 was 20,690, against 20,741 on October 1 last. It was decided that, subject to the approval of the Commissioners, payment for the dispensing of homeopathic prescriptions during 1918 shall be at the rate of 1*d.* per drachm for mother-tinctures, attenuated tinctures, pilules, and triturations, and 1*d.* per dozen for tablets, with a dispensing fee of 2.55*d.* in each case and 1*d.* more when a tincture is ordered as an ingredient in a mixture.

Worcestershire.—At the meeting of the Insurance Committee on January 26, the Chairman (Mr. J. W. Willis Bund) drew attention to a report from the West Midland Pricing Bureau Joint Committee, containing a report of the auditor for the year ended December 31, 1916. The auditor drew attention to various inaccuracies in regard to pricing of prescriptions, indistinct signatures, incorrect numbering (owing to the going wrong of an adding-machine), illegibility of figures, miscalculations of prices on scripts, and other matters. The Chairman said it was an awkward thing if the prices were all charged wrong. Mistakes had occurred—they in that county had been charged for things belonging to another county, and had been sent things which belonged to another county—in fact, the way the thing had been conducted was scandalous. He was told, however, that they had a new supervisor now, and doubtless things would be better in future. Mr. Hobson asked the members to consider the magnitude of the undertaking. He ventured to think this was the report of a man who wanted to find as much fault as he could. He asked them not to condemn the Bureau unheard.

SCOTLAND.

Edinburgh.—Payments to chemists in respect of their accounts for the month of November 1917 amounted to 425*l.* 4*s.* 5*d.* It was reported at a meeting of the Insurance Committee that the list of emergency drugs and appliances for 1918 had been approved by the Insurance Commissioners, who had previously asked for a fuller specification in regard to the item "oiled silk." The width of yellow oiled silk had been specified as in the Tariff—viz., 32 in.—and in the case of green oiled silk, after consultation with the Panel and Pharmaceutical Committees, "360 sq. in." had been substituted for "½ yd." The Clerk was instructed to issue the list. The total Drug Fund in respect of the year 1916 was 9,171*l.* 13*s.* 3*d.*, and after the "floating sixpence" (amounting to 2,292*l.* 18*s.* 3*d.*) was carried to the practitioners' fund the net sum in the Drug Fund was 6,878*l.* 15*s.* The charges against the fund amounted to 5,342*l.* 1*s.* 3*d.* (subject to adjustment), leaving a balance at the credit of the fund for the year of 1,536*l.* 13*s.* 9*d.* It was decided to make payment of a bonus to the chemists in terms of the agreement. A letter from Dr. Dewar with reference to drugs and appliances which had been ordered for the Medical Bureaus in excess or outside the approved emergency list for 1917 was considered, and it was decided to make payment for the items in excess of the list, but not to pay for the other items.

Kirkcaldy.—At the monthly meeting of the Insurance Committee on January 25, a letter was read from the Commissioners concerning the revision of Drug Tariff, and pointing out that substitutes might be used for glycerin and sugar. Dr. Wallace asked what substitute could be used for glycerin, and at the same time brought under notice the inadequacy for dressings—15*s.* per quarter being allowed, when these had gone up three times their former price. It was agreed to send recommendations to the Panel Committee.

Associations' Winter Session.

Bradford.—The Bradford Pharmacists' Association met at the Central Café on January 31, Mr. R. T. Silson presiding. An expression of sympathy with the relatives of the late Lord Mayor of Bradford (Captain John Bland) was voted. The Brighton Association's circular on the protection of patents at face-value was read and the matter discussed, attention being called to the recent article on the subject in the *C. & D.* (January 26, p. 43). Mr. F. G. Hines (York), who was very heartily received, then gave an address on pharmaceutical affairs. He congratulated the Bradford chemists on their buying organisation, regarding their "Alliance" as containing the germ of further development. He then dealt with proprietary articles, and said he was attracted by the idea of face-value for these goods, which will strengthen the hands of the chemist in the struggle with the multiple concerns. With regard to Insurance dispensing he thought better terms should have been obtained, and it is remarkable that better terms were obtained than were asked by the Pharmaceutical Council. The present system of pricing and checking prescriptions is also open to serious objection—is, in fact, hopeless from a business point of view. It is a difficult thing to say precisely what should be done, but they must have some method of knowing what each prescription is priced out at. Mr. Hines is also opposed to the use for organisation purposes of some of the income derived from the checking of prescriptions; each should be financed on its own bottom. He next touched on the calling-up of pharmacists for military service, and considered that the Pharmaceutical Council should take action at once in regard to the position of apprentices and assistants who are called up, and also in regard to the chemist who has to abandon his business. Turning to the claim of the analysts to the title "chemist," he characterised it as "rubbish," and deprecated the suggestion that chemists in business should adopt the title "pharmacist," which would not be accepted by the public until after generations of usage. He also called attention to the growing use of the title "chemist" for the craft by the Insurance Commissioners. He then discussed the financial position of the Pharmaceutical Society, basing his remarks on the recent statement by the Society's Secretary at Sheffield, and expressed the opinion that the parent body would do more good by assisting local education than by dabbling in pharmaceutical politics, which should be left for a federal organisation to deal with. Finally, he asked for sympathy with the Progressive Pharmacy Club, which is an organisation of the younger men in the business who desire to "ginger-up" the old folk as far as they can. An interesting discussion followed, and Mr. Hines was cordially thanked for his address.

Dental Society of Ireland.—The fourth annual meeting was held on January 30 in the rooms of the Chemists and Druggists' Society of Ireland, Belfast, the President (Mr. Wm. Corbett) in the chair. There was a good attendance. Mr. J. D. Carse (Hon. Secretary) submitted the annual report, which, with the satisfactory financial statement presented by Mr. W. Moffett (Treasurer), was adopted. The following office-bearers were elected: *President*, Mr. W. Corbett; *Vice-Presidents*, Mr. F. T. Smith, J.P. (Antrim), and Mr. T. Robb (Belfast); *Treasurer*, Mr. W. Moffett; *Hon. Secretaries*, Mr. J. D. Carse and (for the South of Ireland) Mr. D. S. Bennett; *Committee*, Messrs. S. Suffern, F. J. Boyle, J. A. McRoberts, J. Guthrie (Belfast), J. Beatty (Clones), W. Hanna (Bangor), J. Leavy (Mountmellick), A. Cornett, S. Carson (Belfast), D. Gray (Dunmanway), J. Copithorne (Skibbereen), J. Wilkinson (Belfast), D. Blackwood (Armagh), T. Unsworth (Ballynahinch), F. W. Dodds, R. Hill, T. Mitchell, and E. J. Roberts (Belfast).—Prior to the annual meeting a Committee-meeting was held, at which Mr. J. D. Carse reported that he had received an invitation from the Dentists Act Committee to give evidence on behalf of the Society in London, and that February 13 had been fixed for his attendance. The Committee authorised him to represent the Society.

London (W.).—The Western Pharmacists' Association met at the Restaurant Frascati, Oxford Street, on February 5, Mr. W. E. D. Shirliff (President) in the chair. A letter of thanks from Mr. W. J. U. Woolcock for the Association's congratulations on his new honour having been read, copies of *THE CHEMIST AND DRUGGIST* reprints of "War Regulations Affecting the Drug-trade" and "The Cocaine and Opium Regulation" were handed round, and a discussion took place on the inconvenience frequently occasioned in dispensing cocaine. Mr. Bowie stated that limited quantities of glycerin are obtainable on application. A resolution was carried in favour of the removal of the Excise-duty on

saccharin. Mr. Procter called attention to the new Insurance prescription-forms, which have been issued without the knowledge of the London Pharmaceutical Committee and are inferior to the old ones. The President made an explanation regarding the circular letter recently issued to the Association on the subject of glycerin and syrup, which letter, he said, was premature by a few days. He then called on Mr. J. Keall to open a discussion on *Face-value for all P.A.T.A. Articles*. In the course of a survey of the subject, Mr. Keall held that there was every argument in favour of the adoption of face-values. The cutting tactics of ten years ago were, for various reasons, unnecessary to-day. It was an error to suppose that retailers in the Proprietary Articles Trade Association were under the thumb of its Wholesale Section. The ideal profit was 33 per cent., but discretion was necessary in negotiating: in turning down a proprietary they might seriously interfere with the trade of some retailer to whom it was a useful item, and would be setting cutters to work. Reference to the recent letters in the *C. & D.* was made by Mr. Keall and by subsequent speakers, among whom were Messrs. Melhuish, Kirkpatrick, Barrett, and the President. Mr. Melhuish expressed a doubt that Stores and Co-operative Societies would seek to counter the cutting-out of one of their attractions by bringing political influence to bear and by raising the cry of "Monopoly." Mr. Kirkpatrick pointedly asked where the political influence of pharmacy is to be found. Mr. Keall briefly replied, and a resolution for presentation to the Council of the P.A.T.A. demanding face-values was unanimously carried. The second half of the evening was devoted to a discussion, opened by Mr. J. W. Deakin, on *The Pharmaceutical Aspect of the Proposed Ministry of Health*. Commenting on the overlapping in Government Departments, and also in municipal and statutory bodies where public health questions were concerned, Mr. Deakin said that, after all, official knowledge was to be preferred to amateur and often un instructed efforts. Perhaps a new body chosen from the Local Government Board, the National Health Insurance Commissioners, and the Privy Council might adequately settle the problems to be faced. Pharmacists must, in the public interest, have increased control of future arrangements. Three other members of the Council of the Pharmaceutical Society who were present as visitors—Messrs. Bilson, Guthrie, and Sargeant—contributed to a brief discussion. Mr. Deakin, in reply, said that developments were being carefully watched. During the evening the "Maw" challenge shield presented in the shooting competition was shown and admired. Cordial votes of thanks were accorded to Messrs. Keall, Deakin, and S. Maw, Son & Sons, Ltd.

Thames Valley.—A meeting of the Thames Valley Pharmacists' Association was held at Kingston-on-Thames on February 6. The Committee, which met before the general meeting, re-elected the officers for the ensuing year, and decided that owing to war conditions the meetings should only be held every two months. The President (Mr. F. Cherry, Walton-on-Thames) took the chair at the general meeting which followed. Mr. A. Higgs, J.P. (Kingston), reported on the Sale and Exchange Section. He said it had been a success. Mr. H. E. Clement (Hampton) reported on Middlesex Insurance matters. Mr. W. M. Tims (Cobham), in referring to Surrey, said that authority had been given for the payment of expenses incurred by members of the Surrey Pharmaceutical Committee in attending meetings at a rate not exceeding 5s. for town members and 10s. for country members. The money was to be provided out of the 2½ per cent. that was deducted from the accounts each month. Mr. R. Clement then introduced the subject of *The Federation of Pharmaceutical Committees* in a vigorous speech, in which he laid stress on the unrepresentative character of the Local Associations Executive, and pleaded for a real federation of Pharmaceutical Committees. He proposed a resolution urging the reconstruction of the Local Associations Executive. A long discussion ensued, and the resolution was carried. The matter of *The Sale of Proprietary Articles* not on the P.A.T.A. list was introduced by Mr. A. Higgs, who proposed the following resolution: "That in the interests of pharmacists the retailing of all proprietary preparations at inadequate prices should be discouraged, and the articles not kept in stock." This is to be sent to the principal proprietors of non-protected articles. Another resolution referring to face-value was also passed, and is to be sent to the Council of the P.A.T.A. and the County Associations. The President then introduced the matter of the *Reconstruction of Pharmacy* after the war, and referred to the urgent necessity of doing something for the returning pharmacist and assistant who had been called to the Colours. A resolution was passed suggesting that the Pharmaceutical Society should assist any pharmacy student to the school and examination (who has served his country in the Navy or Army) at greatly reduced fees.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. As a result of the War wholesale houses have had to contend with many fresh difficulties, some of which have involved greatly increased expenses. Shortage of labour with higher wages (equal to almost double pre-war rates) has a direct effect upon values of goods, as also have railway carriage, freights, cartage, and other charges. The foregoing and other incidental outlays prevent retail buyers purchasing at the market prices quoted here.

42 Cannon Street, E.C. 4, February 7, 3 p.m.

The general tendency of the markets is quiet, little of interest having transpired in chemicals and drugs. Bromide of potash remains firm and scarce. Acetanilide, hexamine, methylsalicylate, chloral hydrate, lithia carb., and tannic acid are also firm. Apomorphine is dearer, and scammony resin is firmer. Theobromine and compounds are lower. Milk-sugar position is critical in view of shortage. Saccharin has been in brisk demand owing to an export embargo in America, where prices have declined. Quinine is firm, and, owing to the large Government requisitions, there is some temporary difficulty in supplying normal requirements. Among drugs some fair arrivals have taken place from Russia recently, these including calamus-root, cantharides, ergot, etc. Colchicum is cheaper. Myrrh from first-hands has been almost cleared; tamarinds are scarce and dearer, and valerian has been in fair demand. A large business has been done in agar-agar, which is being used largely in food preparations. Canary-seed is dearer and coriander casier. Among essential oils Ceylon citronella is rather dearer, bergamot is steady, and lemon extremely flat.

Higher	Firmer	Easier	Lower
Canary-seed	Cascara	Cantharides	Colchicum-
Citronella oil	sagrada	(Russ.)	root.
Cocoa-butter	Chloral	Coriander-	Fenugreek-
Cream of	hydrate	seed	seed
tartar	Lithia carb.		Theobromine
Euonymin	Scammony		(pure and
Farina	resin		compounds)
Oil, amber			
Salicin			
Shellac			
Spermaceti			

The Drug-auctions will be held next Thursday, February 14.

Cablegram.

NEW YORK, February 7.—Business is active. Menthol is dearer at \$3.25, and jalap has been advanced to 52c. per lb. Peppermint oil is easier at \$3.20, taraxacum-root has been reduced to 36c., tolu balsam to 95c., and peru balsam to \$3.70. Benzoates are cheaper, benzoic acid having been lowered to \$5.50 and benzoate of soda to \$5.20 per lb.

ACETANILIDE is firm at from 5s. to 5s. 3d. per lb. on the spot.

AGAR-AGAR has been selling more freely on the spot at from 3s. to 3s. 2d. per lb. for No. 1 Kobe, and a good business has also been done to arrive, including February-April shipment at 2s. 8d.

AMMONIA.—By a United States Presidential Proclamation, ammonia and all ammonia products are now under Government control in that country, and a licence is necessary to deal in them. This means that the exports of all ammonia salts and preparations will be subject to strict control, and licences will probably be granted only when it is proved that the goods will contribute to the successful prosecution of the war. Bromide of ammonium is one of the products affected.

ANISE, STAR.—Chinese, just arrived, of good quality, can be had at 145s. on the spot.

ANISE OIL, STAR.—“Red Ship” brand is 4s. 2d. to 4s. 3d. on the spot, and 3s. 11d. to 4s. c.i.f. to arrive.

APOMORPHINE shows a considerable advance than when last quoted, makers asking 70s. per oz. net for hydrochlor. crust.

ARROWROOT.—There appears to be little now left in importers' hands. Further sales of fair manufacturing St. Vincent have been made at 8d. to 8½d. and buyers.

BENZOIC ACID.—The firm tendency is maintained, and as no shipments from the U.S.A. appear to be in sight, English makers have the market practically under their own control. There is little, however, available for February delivery, while for March-April 17s. 6d. per lb. net is quoted.

BERGAMOT OIL is steady at from 19s. 6d. to 20c. per lb. c.i.f., the spot value being about 20s.

BISMUTH.—The advance notified in our previous issue to 12s. 6d. per lb. for the metal is virtually regarded as the official quotation, but really constitutes the selling price agreed to by the chief members of the trade, and it is on this basis that allocations for medicinal purposes are being made under Government control. The bulk of the supplies is, of course, being absorbed in this direction. The market for other purposes is practically free, and with business more difficult than ever fancy figures are being paid. The question of tonnage presents some difficulty in regard to supplies.

BROMIDES.—Sodium is in fairly plentiful supply on spot at from 3s. 9d. to 4s., with second-hand sellers at 3s. 6d.; American price has been reduced 10c. Potash, on the other hand, is very scarce on spot, the value of granular being 7s. 6d. and crystals 7s. 9d. Price is easier in America, but practically no export licences are being granted, so that when present stocks are exhausted the market is likely to advance. Ammon. is 5s. 6d. and Strontium 4s. 6d.

CALAMUS-ROOT.—Some fair-sized quantities have recently arrived from Russia, and as the demand is limited the market is now over-supplied. Holders are, however, asking high prices, with good quality obtainable at 120s. per cwt.

CAMPOR OIL.—The spot stock is well held and concentrated in one or two hands, 115s. per cwt. being asked.

CAMPOR (REFINED) remains very firm, with spot sales of Japanese 2½-lb. slabs at 3s. 11d., and for February-April shipment business has been done at 3s. 9d. to 3s. 9½d. c.i.f.

CANARY-SEED advanced in price during the past week a further 10s. per quarter, but the market since has been steady at 175s. to 177s. 6d. for fair to good Morocco.

CANTHARIDES.—Arrivals of new crop Russian have taken place, quality being good, and the value is 11s. per lb. for bright clean.

CASCARA SAGRADA.—Some holders are now asking 125s. per cwt., with 120s. paid on the spot. Caution is advised in buying at these prices, as there is always the possibility of surprise arrivals taking place. Limited quantities bought before the advance are obtainable at about 112s. to 115s. per cwt.

CASSIA OIL on the spot is offered at 6s. 6d. for 80 to 85 per cent. c.a., and at 6s. c.i.f.

CHLORAL HYDRATE is rather firmer, and as the market is poorly supplied just at present there has been a certain amount of anxiety to secure stocks; present price is 9s. 6d. to 10s. per lb. on the spot in bond.

CINCHONA.—The bark-auction to be held at Amsterdam on February 28 will consist of 150 bales and 37 cases pharmaceutical bark, weighing 8,769 kilos., and containing 282 kilos. quinine. The first-hand stock at Amsterdam on February 1 consisted of 976 packages private bark, including the first-hand packages to be offered in next auction.

CITRONELLA OIL.—Ceylon on the spot is quoted at from 2s. 7½d. to 2s. 8d. per lb., being dearer; there are no offers to arrive.

CLOVE OIL is firm at 16s. 9d. per lb. from distillers.

COCAINE.—There is a limited quantity of Dutch hydrochloride to be had for this and next month's delivery, but buyers have to be strictly rationed.

COCA-LEAVES.—There will be no offerings at auction at Amsterdam on February 28.

COCOA-BUTTER is dearer, a good business having been done at 1s. 9½d. per lb.

COLCHICUM-ROOT.—Good clean English is obtainable at from 6s. to 7s. per lb. on the spot, being cheaper.

COPPER SULPHATE.—To all intents and purposes the export market has almost ceased to exist so far as merchants are concerned, while allocations are virtually confined to France, whose needs are filled direct with makers through the Commission Internationale de Ravitaillement in accordance with the special arrangements made recently; permits for other countries are hardly obtainable. The current quotation of 67½ to 67½ 10s. f.o.b. Liverpool is, therefore, nominal. The home demand for agricultural purposes has now subsided.

The fixed rates stand at 48l. to 52l., according to delivery. Fair quantities acquired by merchants for January-February delivery at the lower figure are now being held back for deliveries over the spring at 52l., which thus leaves them a fair margin of profit after defraying warehouse and other costs. Makers are already fairly well sold up for near months, but complain that these terms barely cover their costs.

CORIANDER-SEED is rather casier at 80s. per cwt. for Morocco and 52s. 6d. for East Indian.

CREAM OF TARTAR.—Sales of 92-per-cent., conforming with the B.P. limits for lead and arsenic, have been made for near delivery at 350s. per cwt.; 99 to 100 per cent. is practically unobtainable, and the value is nominal at 380s. During the past few weeks the prices of cream of tartar substitutes have advanced from 20s. to 25s. per cwt., owing to scarcity, with several makers in arrears with their deliveries.

ERGOT.—For either sound Russian or Spanish 3s. per lb. net is asked on the spot.

EUONYMIN is dearer, makers offering at 17s. per lb. net for green or brown.

FENUGREEK-SEED.—Owing to absence of orders some holders are willing to accept 43s. 6d. per cwt. for 10-ton lots of Morocco, being a lower price than previously quoted.

FORMALDEHYDE is easier in the United States, but it is difficult to effect shipment.

GERANIUM OIL.—Bourbon for shipment is offered at 22s. per lb., spot supplies being worth 23s. 6d. to 24s. and African 27s.

HELIOTROPIN.—Parcels afloat are offered at 30s. 9d. per lb.

HEXAMINE is unchanged at from 6s. 3d. to 6s. 6d. per lb. net on the spot, with supplies small. Delay in shipment has resulted in a scarcity being created here, which accounts for the recent rise in prices.

KINO has been more inquired for, the value of fair being 1s. per lb.

LEMONGRASS OIL.—A limited quantity of 70 to 75 per cent. citral is offered at 5d. per oz. on the spot.

LIME-JUICE.—Supplies are plentiful on spot, good 1917 crop being worth 3s. and prime 3s. 3d. to 3s. 6d. per gal.

LITHIA CARB.—Stocks are very small, and the value on spot is about 8s. per lb.

METHYLSALICYLATE.—The price in America justifies holders in asking at least from 4s. 6d. to 4s. 9d. per lb., as these figures represent present cost only.

MILK-SUGAR.—In view of the extreme shortage of supplies and the absence of new imports, the position is becoming more critical daily. Practically nothing is arriving from Holland (where it is said the Dutch makers have closed for the want of coal), while the price in America (where an extreme scarcity also exists) is 70c. per lb., which makes importation prohibitive. In view of these facts it is suggested that supplies should be reserved only for the makers of infants' and invalid foods, and regular customers only be supplied, as there has been a tendency of late for "outside" people to acquire the stock for the manufacture of preparations which are not so essential as infants' foods.

MYRRH.—The recent arrivals have been cleared, and from second-hand sales of good Aden sorts are reported at 12l. 10s. per cwt.

NEROLI OIL.—Genuine quality is offered at 22s. per oz. on the spot.

OIL, AMBER, has been advanced 5d. per lb., distillers quoting commercial at 1s. 6d. and rectified at 1s. 10d. per lb.

PALMAROSA OIL.—Spot sales have been made at 14s. 6d. per lb., and parcels afloat are offered at 16s.

PAPAIN.—Spot is offered in a small way at 11s. per lb. for genuine.

PEACH-KERNEL OIL.—Lowest price from pressers is now 1s. 10d. per lb. net.

PEPPERMINT OIL.—The spot market is still very bare of American tin oil, but a fair-sized parcel is on the point of being shipped and will help to relieve the scarcity.

POTASH CHLORATE is rather dearer, re-crystallised offering at from 1s. 9d. to 1s. 10d. per lb.

POTASH PERMANGANATE is unaltered, with crystals offering at 14s. 6d. for fair.

QUICKSILVER.—The tone is strong at from about 23l. up to 25l. per bottle, attempts lately made to procure parcels at below the lower figure having proved abortive, although it is claimed that business is still possible thereat against special orders. The market is rather bare, while imports are much hampered by freight scarcity. The tone in America is strong, spot lots in New York being very scarce at between \$135, although near arrival is obtainable at \$115. The price at San Francisco is \$112.50.

QUININE.—The Government having recently appropriated large quantities, it is difficult for makers to spare normal quantities for druggists' requirements, consequently consumers are eagerly waiting further supplies from the

works. The spot price of the usual brands is from 3s. 5d. to 3s. 6d. per oz.

RESIN.—Following close on the heels of the official Order controlling turpentine, an official Order was also issued at the close of last week taking resin supplies under control. The falling-off in the imports due to tonnage difficulties tend to render the position rather acute, and the preservation of supplies for urgent purposes is thus desired. According to the regulations enforced under the Defence of the Realm Act, all supplies held individually in stock or in transit of resin or resin oil have to be notified to the authorities with all details thereof—grade, etc.—also the purpose for which the material is intended, as well as the average monthly consumption of individual owners during the past year. No return is required from any person unless he has at some time since January 1 last had in his possession or under his control an amount of resin in excess of three ordinary American barrels, or one cask of French, Spanish, or Portuguese resin, or an amount of resin oil exceeding 7 cwt. net weight. Until further notice, except for the purpose of carrying out a contract in writing for sale or purchase, no person is allowed to negotiate business, supply, or deliver any resin or resin oil except under a licence from the Ministry of Munitions for quantities exceeding those mentioned above. These regulations are thus pretty drastic. Our total imports of resin during 1917 were 1,726,573 cwt., against 2,001,815 cwt. in 1916 and 2,071,963 cwt. in 1915, thus showing a considerable deficit.

SACCHARIN.—It is stated that the exportation from America has been prohibited for the time being, so that there has been a brisk demand for parcels afloat, which have been eagerly snapped up. On the other hand, the price in America, on increased production and the difficulty of shipping, has actually fallen, and substantial concessions are offered to domestic consumers who can contract for a period. Meanwhile, owners of stocks on the spot now feel justified in holding on, especially in view of the heavy demand. Prices are, however, very irregular, and sales for March shipment have been made at from 225s. to 240s. per lb., but there may now be difficulty in carrying out these forward sales. Spot has been sold at from 250s. to 300s., and even more, but as stocks are in the hands of many holders there is great divergence in quotations.

SALICIN.—Makers have advanced their price to 40s. per lb. net.

SALICYLATES.—The U.S. Government has commandeered the supplies of carbolic acid, and none is allowed to be sold for export. This affects the output of *salicylic acid*, and as large quantities are wanted for Government use the chances of further shipments being made to this country are small. With the "preservative season" near at hand this factor ought to lead to an improvement in the position and relieve the English makers of their accumulated stocks. Meanwhile, purchases can be made advantageously from those carrying stocks at from 5s. 6d. to 5s. 9d. per lb. The position of *sodium salicylate* is becoming harder, as very little was imported in January, and practically nothing so far this month; spot supplies are worth 7s. 3d. to 7s. 6d.

SCAMMONY RESIN is firmer, makers offering at 9s., and powder at 9s. 6d. per lb.

SHELLAC is firm and dearer in the absence of sellers, sales being few, including usual standard quality TN Orange at 400s. to 405s., and fine Orange is 500s. per cwt. Futures are much dearer, the sales including March at from 395s. to 414s. and May 388s. to 410s.

SODA HYPOSULPHITE remains scarce, with a limited quantity of American make offering at 50l. per ton, and some French is expected shortly, which will help to relieve the shortage.

SPERMACETI has been getting scarcer daily, and the price is still rising, 1s. 6d. being the spot value.

TAMARINDS are scarce, good Barbados having been sold at from 65s. to 70s. per cwt. on the spot.

TANNIC ACID.—Very little is coming forward from U.S.A., and the recent advance is attributed to the fact that the high freight is calculated on a measurement rate, which increases the cost to the buyer.

THEOBROMINE.—The export demand having fallen off, prices are lower, sellers offering at 55s. to 57s. 6d. net, and sodio-salicylate at 37s. 6d. to 40s. per lb., as to quantity.

TURMERIC remains firm but quiet, Madras finger offering at 67s. 6d., Cochin finger at 50s. to 52s. 6d., and split bulbs 40s. to 42s. 6d.

TURPENTINE.—In view of the Government control, the price is nominal at 124s. per cwt. for American.

VALERIAN has been in fair demand, Belgian selling at 350s. per cwt., and Italian can be had at 240s., Japanese being worth from 350s. to 370s.

Cinchona Bureau in Java.

The following gentlemen have been appointed to act as delegates of the Cinchona Bureau in Java: President, L. Engel; Members, J. G. Hockman and the Administrator of the Semarang Co.; Deputy-members, C. G. J. B. Henny and W. C. London, of the Bandoeng Quinine Factory; Secretary and Treasurer, W. Stoltz; Assistant Secretary, H. Aars. The office of the Delegation will be located at the Dutch Commercial Co.'s factory in Batavia.

Cinchona for Japan.

Statements having appeared in the Java Press that the large demand for cinchona for Japan was likely to cause a rise in price, "Java-Bode" points out that all shipments of bark from Java are controlled, as regards price and quantity, by the International Cinchona Bureau. Though, owing to the difficulties of shipment to Holland, more bark has been exported to foreign countries since the war, all of it has been sold at the prices fixed by the Bureau. This arrangement holds until June next, and, as it has been satisfactory to producers, it is likely to be renewed. The report referred to above probably arose from a large offer for bark made by a Japanese firm some months ago.

French Pomades.

In our issue of December 8 (p. 48) we indicated the position of makers of French pomades in regard to their raw materials, since when we have received a further Paris advice that perfumers are still unable to acquire any neutral lard or greases for the manufacture of concentrated pomades, and there is little prospect of any being available; others are going to give pig lard a trial. As all tinplates imported from abroad have been commandeered by the authorities, the syndicate of tin-box makers have advanced their prices of the small remaining stock of tins by 150 per cent., so that pomade-makers are disposed to look on and wait for better conditions.

Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the Ports of London and Liverpool:

To London	
(Jan. 26 to Feb. 1).	
Aloes, 50 pkgs. 22 cs.	
Arsenic, 97 cwt.	
Balsam tolu, 20 cs.	
Belladonna-root, 10 pkgs.	
Calcium acetate, 369 bgs.	
Calcium cit., 4 cks.	
Calumba, 81 bgs.	
Camphor, 50 cs.	
Cardamoms, 94 cts.	
Cascara sag., 220 bgs.	
Casein, 8,987.	
Chalk, French, 226.	
Chemical products, unrated, 10 kgs. 10 cs.	
Chloral hydrate, 31 cs.	
Cinchona, 1,562 bgs.	
Cresote, beechwood, 5 cs.	
Dental goods, 121.	
Drugs, unrated, 348 bgs. and 149; herbs, dried, 92 bgs.; roots and leaves, 77 bgs.	
Dyestuffs, tanning materials, etc., 85 pkgs.; cutch, 800 bxs.; indigo, 44 cts.; myrabolans, 19,142 pockets 2,303 bgs. 4,918 pkgs.; tanners' bark, 71 tons; veg. ext., 6 cs.	
Emulsions, 6,672 bxs.	
Enphorbia pil., 20 bls.	
Galls, 2,533.	
Gums (cwt.): acacia, 2,581; acroites (grass-tree), 200; karaya, 157; sandarac, 102; tragacanth, 88.	
Helliotropine, 6 cs.	
Hemlock-bark, 9 bgs.	
Menthol, 15 cs.	
Methyl salicyl., 13 cs.	
Nuts and kernels (cwt.): copra, 12,000; ground nuts, 5,340; shea, 1,990.	
Oils, essential, unrated, 98 cs. 13 drms. 14 pt.-cs. 8 bgs.; anise, star, 200 cs.; eucalyptus, 113 cs.; synthetic oils, 48 cs.	
Oils, fixed: coconut, 188 pps.; groundnut, 400 cs.; palm, 37 cks.; perilla-seed, 500 cs.; rape, 250 cs.; shark, 500 cs.; tea-seed, 500 cs.	
Papain, 10 cs.	
Perfumery (mostly raw materials), 357; toilet-powder, 207.	
Resin, 29 pkgs. 500 bgs.	
Salt-petre, 3,938 cwt.	
Scopolia-root, 8 bgs.	
Seeds (bgs.): anise, star, 150 cs.; castor, 31,810; coriander, 2,915; cotton, 261 tons 1,285 bgs.; cumin, 266; dill, 2,281; fennel, 913; fenugreek, 1,295; lin, 41,574; rape, 3,601.	
Scenna, 139 bgs.	
Soda salicylate, 5 cwt.	
Soda, unrated, 148 cwt.	
Starches (cwt.): farina, 1,220; potato, 3,397; wheat, 700.	
Sulphur, 5,000 cwt.	
Tallow, 1,800 cwt.	
Valerian, 200 bgs.	
Vanillin, 2 cs.	
Waxes, not described, 10 bls. 243 bgs. 30 cs. 246 pkgs.	
Winc-lees, 200 bgs.	
To Liverpool	
(Jan. 28 to Feb. 2).	
Acetanilide, 36 bgs.	
Benzoic acid, 1 bbl.	
Bromides; ammon., 25 cs.; sodium, 75 cs.	
Calcium acetate, 1,551 bgs.	
Coumarin, 1 cs.	
Dental goods, 2,674.	
Drugs, unrated, 252 bgs. 15 bgs. 1 kg. 43 cs. and 2,514.	
Dyestuffs, tanning materials, etc.; fustic ext., 600 bxs. 35	
bgs.; hemlock ext., 64 bgs.; logwood, 8 tons 13 cwt.; logwood ext., dry, 131 cks.; mimosa-bark, 1,695 bgs.; wattle-bark, 30,248 bls. and bgs. 125 bxs.; ground, 1,271 bgs.	
Formaldehyde, 140 bgs.	
Galls, 250 cs.	
Gelatin, 104.	
Gentian and liquorice powder, 40 bgs.	
Gum acacia, 120 bgs. 10 cs.	
Isinglass, 10 bgs.	
Lead arsenate, 67 bgs.	
Menthol, 35 cs.	
Nickel oxide, 130 bgs.	
Nuts and kernels (bgs.): ground (arachis), 55,978; palm-kernels, 68,010.	
Oils, essential, unrated, 17 cs.; citronella, 10 cts.; peppermint, 15 cs.	
Oils, fixed: cod-liver, medicinal, 644 cks. 55 bgs.; fish, 1,850 cs. 500 cks.; palm, 2,094 cks. 20 pkgs.	
Phthalic acid, 10 drms.	
Podophyllum resin, 5 cs.	
Pumice powder, 300 bgs.	
Resin, 119 bgs.	
Seeds: cotton, 1,680 tons 250 bgs.; dill, 351 bgs.; lin, 20,060 bgs.	
Serums, 40.	
Soda benzoate, 1 bbl.	
Soda nitrate, 11,372 bgs.	
Soda salicylate, 9 kgs.	
Starches (bgs.): 2,685 bgs. and 215 sks.; dextrin, 200; farina, 215; potato, 13.	
Sulphur fumigators, 94.	
Talc, 2,929 bgs.	
Tallow, 70 cks.	
Tartaric acid, 4 cks.	
Vaccines, 90.	
Wax, bees', 27 bls. 28 bgs.	

Westminster Wisdom.

By the "C. & D." Parliamentary Representative

COMPANY LAW AMENDMENT.

A Committee is to be appointed to consider amendments of the company law in regard to foreign companies trading in the United Kingdom, whose shares are in the form of share warrants to bearer.

PORT OF LONDON.

Sir L. Chiozza Money stated in the House of Commons on January 30 that there is no truth in the rumours that the Government propose to close the Port of London: it will continue to be used to the fullest extent which is consistent with the safety of the national supplies.

PROROGATION OF PARLIAMENT.

The Royal Assent was given to several Acts on February 6, these including the Military Service Act, the National Registration (Amendment) Act, the National Health Insurance Act, and the Non-Ferrous Metals Industry Act. Parliament was then prorogued, the ceremony being carried out by commission.

PARASITIC MANGE IN HORSES.

Colonel Faber, in a question to the President of the Board of Agriculture, stated that parasitic mange in horses is spreading rapidly in the Midlands.—Mr. Prothero, in reply, said that there were 2,614 outbreaks of the disease reported in 1917, against 2,147 in 1916, but that the increase is not specially marked in the Midland counties.

PREVENTING VENEREAL DISEASE.

Mr. Peto has asked further questions in the House of Commons regarding the effect of a letter sent out by the War Office about the adoption of prophylactics against venereal disease. He wishes the Army Council to withdraw restrictions on the adoption of preventive measures.—The Under-Secretary of State for War would not add anything to answers given previously.

NATIONAL HEALTH INSURANCE BILL.

The amendments made in this Bill by the House of Lords were agreed to by the Commons on February 1. No alteration was made in Clause 41, which deals with the payment of travelling-expenses to members of Committees. Clause 22, which gave a bonus to women on marriage, has been modified into a Sickness Benefit provision with a grant in respect of a first confinement within two years of marriage. Clause 46, which gives power to the National Insurance Commissioners to authorise variations in the rules of Societies, now specifically mentions rules which at present deprive from disablement benefit members suffering from venereal diseases.

LIGHTS (IRELAND) ORDER.

Mr. Byrne asked the Chief Secretary for Ireland on February 1 if an Order has been issued by the Admiralty, under the title of the Lights (Ireland) Order of January 17, which will seriously interfere with the business of the city of Dublin; if the restrictive terms of that Order are necessarily applicable to the city of Dublin; and, if not, whether he will take steps to have the city of Dublin relieved as far as possible from the restrictions embodied in the Order.—Mr. Duke replied that an Order has been issued in similar terms to like Orders which have long been in force in Great Britain. Such Orders have not been found in practice to cause any serious interference with industrial and commercial business. Dublin is necessarily brought within the scope of the Order. If any case exists or should arise in which exceptional treatment appears to be required, representations on the subject will be considered.

A SWEETENING AGENT.—It is suggested by a French writer that saccharin should be utilised by mixing it with sugar, as is done in Italy. "Nature" states that 500 lb. of sugar plus 1 lb. of saccharin would have about the same sweetening value as 1,000 lb. of sugar used alone.

ITALIAN QUICKSILVER.—Capitalists, writes the American Consul at Milan, might find it to their advantage to investigate the cinnabar deposits in the Monte Amiata district of Tuscany. Some of these have been mined from very remote times, but only since 1846 have operations been carried on systematically. The mines now produce from 600 to 700 tons of quicksilver yearly, although but two of the six shafts are equipped with modern machinery. Only half of the cinnabar-bearing land is owned by mining corporations, the remainder being for sale. Cheap labour is plentiful, and with modern machinery and a knowledge of the market capital might find a profitable investment.

Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Insurance Dispensing Difficulties.

SIR,—With reference to Mr. Shirtliff's letter (*C. & D.*, February 2, p. 51) I would like to point out that chemists on the London panel have only been notified by the London Insurance Committee within the last few days that when glycerin or syrup is ordered in an Insurance prescription as one of the ingredients *syrupus factitious* (W.E.F.) should be dispensed, and that this substitute alone will be paid for. This notice is to take effect as from February 1, and ought to have been sent out some days earlier than it was. Meanwhile, the statements in my former letter remain correct for the period during which it was written, and all glycerin or syrup properly prescribed and dispensed in London prescriptions during December and January must be allowed for by the Pricing Office at the current rates.

Yours faithfully,

JOHN HUMPHREY.

Railway Receipts.

SIR,—We should feel obliged if you would draw the attention of your readers to the importance of signing railway and carriers' sheets "Not examined." Thefts of goods in transit are becoming so numerous, especially on the Welsh and Irish railways, that we feel sure many manufacturers like ourselves are experiencing heavy losses through customers giving a clear signature for the receipt of goods. When afterwards articles are found to have been abstracted we are debarred from obtaining any compensation from the carriers in consequence of the addressee having failed to take the simple precaution above mentioned. In many instances the thieves have facilities for conducting their operations so leisurely that they have time to abstract a portion of contents and tie parcel up again before nailing down lid of case. In another instance, which has just come under our notice, the thieves took the bottles out of the cartons in which they were packed and replaced the empty cartons.

Hove.

Yours faithfully,

THE STANDARD TABLET CO., LTD.

The Title "Chemist."

SIR,—Affairs are rather complicated on the question of the title "chemist." In my opinion a "chemist" is not one who has studied chemistry incidentally as a subject of an examination, but one who practises that science in his daily avocation. We who rejoice in the title of "pharmaceutical chemist" are seldom called upon to exercise our knowledge in the realms of pure or applied chemistry, although chemistry enters into our curriculum, yet we are no more chemists in the true sense of the word than are medical men, dentists, or veterinary surgeons. Our proper title is "apothecary," a title our professional leaders ought to strive to obtain for us. The present holders of that title do not appear to be over-enthusiastic in the use of it. They no sooner gain their examination than they style themselves surgeons and doctors. According to the dictionary an apothecary is one who deals in drugs and compounds physicians' prescriptions. The public, especially the older generation, owing, I suppose, to tradition, still style us apothecaries. If there is to be any readjustment of titles I would suggest that if we are to relinquish the title of "chemist" (a title to which we have the greatest claim) we ought to regain our proper title "apothecary."—Yours faithfully,

R. GORDON MCKINSTRY, Ph.C.

Profits on Proprietaries.

SIR,—If all chemists will make a note of the facts summarised in your editorial article (*C. & D.*, January 26, p. 43) it will save time and space and give an opportunity of dealing with obstacles one by one until the ground is clear for action. Here is the basis, which none can dispute. A grocer's working-expenses are 12½ per cent. and the chemist's not less than 17½ per cent., not charging salary for service of the principal. P.A.T.A. prices (which are higher than non-protected) only yield 20 per cent. gross; therefore, the net profit on the sale of 1,000l. worth of proprietaries may be 75l. or less. Though the result is small, it need not be thrown away, but it is absolutely necessary that it should be raised, and the first step toward attainment is to concentrate our efforts on "face-value," which will increase the profit and decrease the labour. Once more I call attention to a letter from Mr. James

(*C. & D.*, January 19, p. 51) which has not received the attention it deserves, because it strikes to the root of the P.A.T.A. system of apportioning profits and shows why the retailers cannot get their share, even if the manufacturers be willing to offer liberal terms. This may be the reason why other makers do not join the P.A.T.A., but there are some proprietors who do not intend to give a living profit if they can get their goods delivered to the consumers for nothing, or even at a loss. The latter class should be ear-marked for special treatment, and if finally driven into the general dealers' pen, no one but themselves would have reason for regret, and we should have more time to help those who study our interests. If the P.A.T.A. wants more retail members or expects to keep those already enrolled, it must reorganise, explain the matters complained of, and tell us plainly what advantages it offers to the retailers for membership.

Yours faithfully,

J. J. JACKSON

(Chave & Jackson, Ltd.).

Hereford.

SIR,—From the correspondence on proprietaries I gather that 25 per cent. gross profit is more or less the ideal. I wonder why chemists refuse to stock advertised articles showing even that amount? I am a retailer and the owner of a proprietary which is advertised in a fairly wide local area. It shows 25 per cent. gross minimum and 34 per cent. maximum to the trade. I have had scores of customers come direct to purchase, who say they cannot obtain from their own chemist; 50 per cent. of them purchase other articles, and not only that, they become regulars. Last year my turnover increased 900l., and I am convinced that 400l. of that amount was for goods purchased by customers who would never have crossed my doorstep except for the advertised proprietary, and that amount of business would have gone to other chemists had they this article in stock. This helps to prove "Retired Chemist's" statement about his "friend," who makes a point of having proprietaries in stock and holding his customers. "Retired Chemist's" letter makes me wonder how many retail chemists are making over 1,000l. a year net. It opens up an interesting topic. I should also like to know with what rapidity retail businesses have been built up. My own has been increased from 550l. (my predecessor's turnover) to 3,000l. in seven years. My net profit (not on store lines) is 25 per cent. I am anticipating that ideal 1,000l. some day.

Yours truly,

MANUFACTURER. (255/15.)

SIR,—I was much interested in the summary of the various views and arguments put forward which was given in the *C. & D.*, January 26, p. 43. In my opinion it is not possible to dispose of this matter until we have the views of the owners of patent medicines. After all, it is they who create the demand for their products, and it is their brains and capital that exploit the beneficial use of them. The real question for the "commercial chemist" to decide is "Does it or does it not pay him to sell patent medicines at the advertised price?" At the present time I have no trouble in getting full prices for every patent I stock, with the exception of Beecham's, for which I get 1s. per box, and on quick sales that is not bad, especially as I am competing against forty-two grocers serving a population of about 1,500 plus the influx from other districts on fair and market days. Two hundred pounds on 1,000l., not 1,200l., is, I think, fair profit. Mr. Jackson asks, "What doth it profit a man to sell 1,000l. worth of patents for 200l.?" and then goes on to raise mathematical arguments which have the effect, and the only effect, of causing the average trader to ask himself, "What does it profit me to be in business at all?" The simple plan of settling the question is to find out what is the balance at the bank at the end of the year. Try to do one's best to increase it. To do so more and more goods must be sold, and the preference given to the best profit-carriers.—Yours faithfully,

J. F. G. (28/1.)

SIR,—I charge full face-value for all patent medicines and toilet articles, except Beecham's pills at 1s. 1½d. and a few other quick-selling goods. Two or three proprietaries which have raised their wholesale prices, but not altered their face-values on their packages, I have dropped out of stock; also those of such firms who (whilst printing a face-value on packages) go behind the retailer and advertise the same goods at a less price. This practice gets no sympathy from me. I have never lost a customer that I am aware of, as the public, seeing the price on the package, don't mind paying it. It shows that there's no profiteering going on, anyway. There may be a few of the public who analyse prices and don't come again, but I can't recollect any. In any case I am not enamoured of the sale of unprotected proprietaries, and not very great on that branch of my business at all. I advise (at any rate) my brother chemists to

sell all these full face-value and get a decent profit on them, and then drop the subject. Yours truly,

NOMEN. (252/1.)

Mr. E. James, Birmingham, writes to state that Mr. Jackson's interpretation of the conditions mentioned in the letter in the *C. & D.*, January 19, p. 51, is quite correct.

Mr. Kenneth S. Dickinson, Hon. Secretary of the Chester Pharmacists' Association, informs us that his Association is entirely in sympathy with the "face-values" scheme for proprietary articles which has been advocated by Mr. W. H. Saunders.

G. S. Mumford & Sons, proprietors of Pylitna, write a long letter on this subject from which we extract the following: "Since the commencement of the war the cost of production, despatch, and advertising—the last item especially, which cannot be entirely dispensed with—has increased enormously. We had, therefore, two alternatives—either to reduce considerably the retail profit, or to increase the retail selling-price. We chose the latter, as being in our judgment the better, although perhaps the more difficult. This has necessitated a slight reduction in the percentage (although we give more per box) which we can allow to the chemist—viz., to one-third of the cost, or 25 per cent. on the selling-price. We consider this is still a fair remuneration to those who will show and recommend an article."

The Cost of Doing Business.

Edina (250/5) supplies us with his balance-sheet for 1917, with a view of showing that it is possible to run a 1,500l. business on 10 per cent. expenses provided rent is low and only apprentices or girls are kept. From the figures supplied by "Edina" we have compiled the following:

Trading Account.

CR.	£	Dr.	£
Stock	140		
Purchases	831	Sales for year	1,270
Gross Profit	439	Stock at end of year ...	140
	£1,410		£1,410

Profit-and-Loss Account.

CR.	£	Dr.	£
Gross profit as above ...	439	Working expenses:	
		Salaries	65
		Advertisements and stationery	24
		Light and heat	4
		Rent, rates, taxes, and insurance	27
		Sundries	10
		Net profit	209
	£439		£439

["Edina's" expenses are 10 per cent., but if only 130l. be added for his own services it means 20 per cent. His stock of 140l. (estimated) is surely wrong, even if the business were in a city where stock could be replenished daily. In war-time especially his stock figure at December 30, 1917, is more likely to be almost double what it was on January 1, 1917, instead of exactly the same. Again, he evidently only estimates his expenses, and probably a proper year's expense account would show that he had overlooked perhaps 20l. Still, it is evidently a carefully managed business, and even at 15 per cent. *minus* his own services it is cheaply worked. That, we may add, is the point "Jay Mack" insists on for the future—viz., that the wages of girls are very high at present, and are getting higher. He looks forward also to the regulation in this country of apprentices' wages by a Wages Board, as in Australia.—ED.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulae for them.

G. T. (12/18).—CHEST AND LUNG MIXTURE:

Dilute sulphuric acid	3 oz.
Ipecacuanha wine	6 oz.
Cochineal solution	3 oz.
Oxymel of squills	18 oz.
Fruit syrup (black currant or raspberry)	24 oz.
Chloroform-water to make	90 oz.

Dose: One teaspoonful to a tablespoonful, according to age.

G. E. W. (225/42).—INK-STAINS.—The surface of the photograph which is ink-stained is probably gelatin, and

on wetting this many complications arise. You could try the application of oxalic-acid solution, followed by washing in running water. The photograph must afterwards be put aside for twenty-four hours to dry.

G. D. M. (202/9).—(1) COUGH-MIXTURE.—See reply to "G. T." (2) A cheap substitute for camphorated oil would be a compound containing a small proportion of turpentine and some essential oil of camphor in a basis of sweet oil.

J. A. D. (162/67).—THE MANUFACTURE OF COTTON-WOOL was described in the *C. & D.*, September 26, 1914, p. 74. We have not come across any text-book devoted to the subject.

J. M. W. L. (251/40).—BOOKS ON MASSAGE.—Mennell's "Massage: its Principles and Practice" (Churchill, 8s. 6d.); Ostrom's "Massage and the Original Swedish Movements" (Lewis, 3s. 6d.); Palmer's "Lessons on Massage" (Baillière, 7s. 6d.); Despard's "Text-book on Massage" (Frowde, 10s. 6d.).

X. Y. Z. (251/60).—MANUFACTURE OF PHOTOGRAPHIC DRY-PLATES.—There is no book which answers your requirement of "a good up-to-date book" on this subject. The process is described in outline occasionally in technical papers—e.g., Mee's "Photographic Industry," read before the London Section of the Society of Chemical Industry, March 4, 1912 (*C. & D.*, March 9, 1912, p. 89). Formulae are given in "Pharmaceutical Formulas."

Selymol (220/6).—We do not think any useful purpose would be served by printing the prescription for which you want suggestions as to what is a proper charge to make for dispensing. You should work out the cost of the ingredients and then add the percentage which you think will be fair in your district.

Craven (18/91).—MILITARY HOSPITALS.—There is a list of military, naval, territorial, and convalescent hospitals in the United Kingdom in Burdett's "Hospitals and Charities" (Scientific Press Co.).

Beet Root (251/71).—MANUFACTURE OF BEET-SUGAR.—The beets are washed from adhering earth and stones, and then, by means of an elevator, sent up to a machine which slices the beets into pieces resembling vermicelli. The slices are then put into large iron cylinders and "diffused" with hot water, by which means the sugar is obtained in solution. This sugar-solution is then mixed with about 2 per cent. of lime and carbonic-acid gas passed into it. The calcium carbonate formed is thrown to the bottom of the vessel, taking with it most of the impurities. The "liming" process is repeated, but this time sulphurous-acid gas is passed in; another precipitate forms, and leaves a clear liquid which is evaporated until sugar is thrown out. This is the outline of the commercial process; the details are given in such works as Thorpe's "Dictionary of Applied Chemistry."

C. H. C. F. (200/28).—CATTLE-POISONING.—Two of the leaflets issued free by the Board of Agriculture deal with acorn-poisoning (Nos. 13 and 291). Yew is another common cause of poisoning fatalities in cattle. The treatment consists in the administration of stimulants, laxatives, milder spirit, and demulcents. The treatment is the same for poisoning caused by colchicum and dog's mercury.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Feb. 15, 1868.

The Pharmacy Bill.

The Home Secretary having intimated that he would receive a deputation from the Council of the Pharmaceutical Society, on the subject of a new Pharmacy Bill, on Tuesday, the 4th inst., the Parliamentary Committee was summoned to meet on that morning. Certain propositions had previously been left at the Home Office embodying the principles agreed on between the Pharmaceutical Society and "outsiders" after the meeting at the London Coffee House in the early part of last year. . . . It was quite evident that Mr. Gathorne Hardy, who received the deputation with the utmost courtesy, had well considered the question of pharmaceutical legislation, and, without giving any details of the conversation, we can state that he expressed his own personal approval, without exception, of the propositions submitted to him, and his conviction that an educational qualification for dispensers of medicine was highly desirable. The point which the Pharmaceutical Society was most anxious to urge was that the Government should introduce the Bill, or a Bill, into Parliament, thus giving it an increased chance of success.

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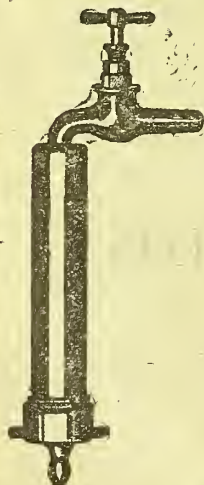
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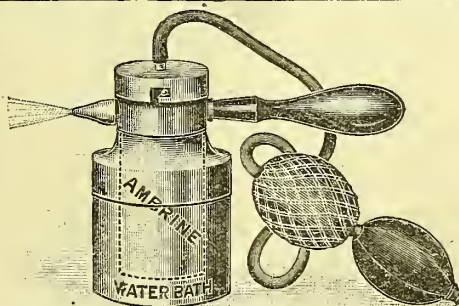
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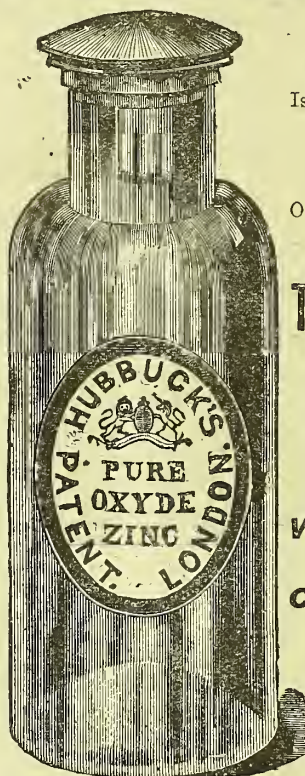
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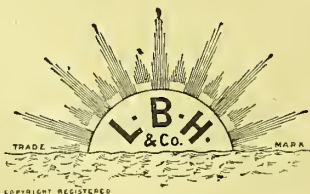
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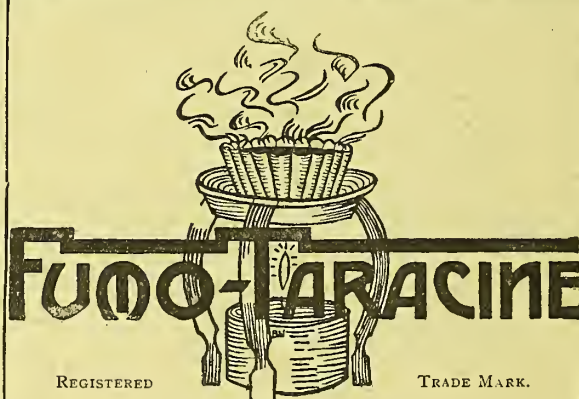
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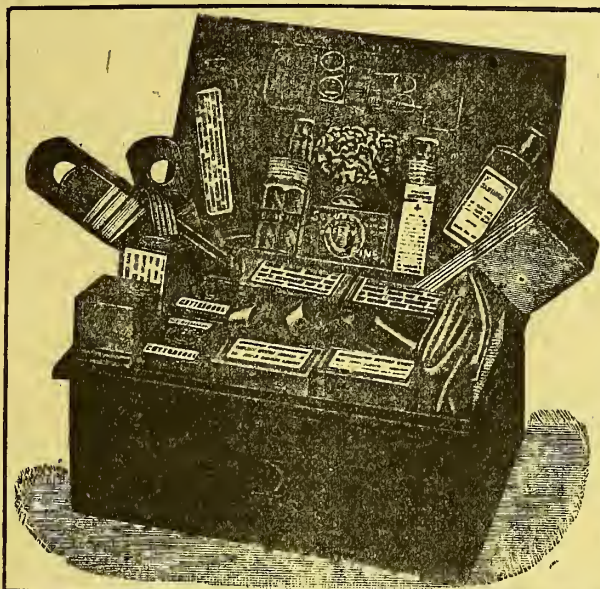
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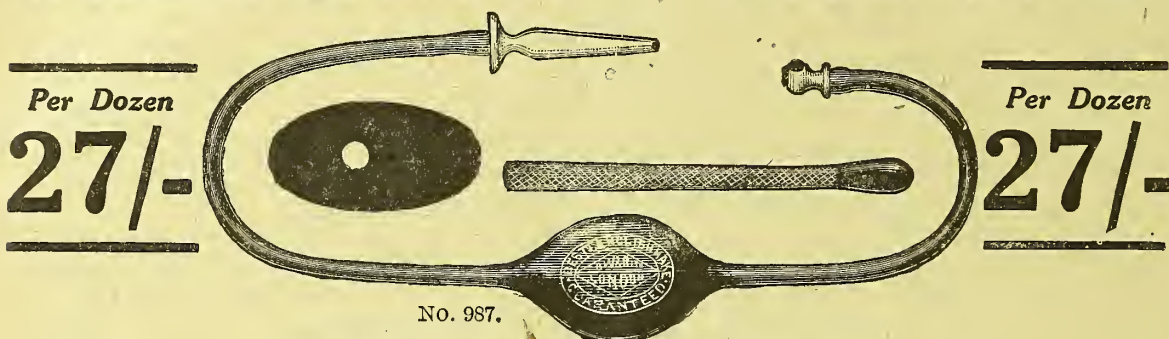
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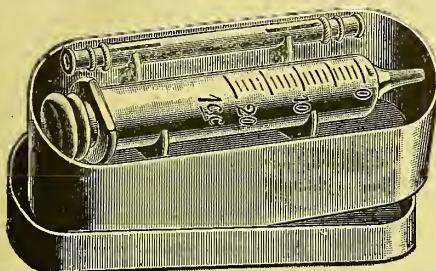
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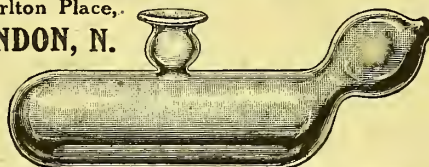
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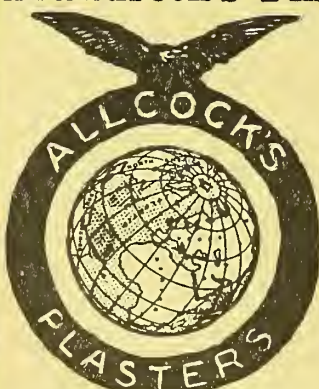
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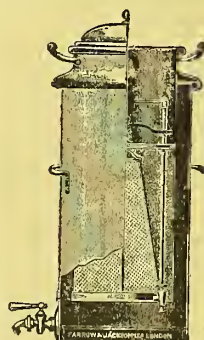
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